

SEQUENCE LISTING

<110> Dillon, Davin C.
 Day, Craig H.
 Jiang, Yuqiu
 Houghton, Raymond L.
 Mitcham, Jennifer L.
 Wang, Tongtong
 McNeill, Patricia D.
 Harlocker, Susan L.
 Bennington, Angela Ann
 Zehentner, Barbara
 Fanger, Gary R.
 Retter, Marc W.

<120> COMPOSITIONS AND METHODS FOR THE THERAPY AND
 DIAGNOSIS OF BREAST CANCER

<130> 210121.491C7

<140> US

<141> 2001-11-30

<160> 307

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<211> 298

<212> DNA

<213> Homo sapiens

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gctcgagtga tgacagcctt gaaccttgct ctcccttgct tcagagggga aaaaggaatt 180
ggatttcctc agggctctggg gctgggctg tggcttgagg ttccgagact gatgaatcca 240
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<213> Homo sapiens

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ttttctcacc taaattacgt ttccacgaga ttatttatat atagtggctc tatctctgca 180
gtccttgaag gtgaagttgt gtgttactag gctgtgtttt gggatgtcag cagtggcctg 240
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276

<210> 3

<211> 405

<212> DNA

<213> Homo sapiens

<220>

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<222> 141

<223> n = A,T,C or G

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cactctgcc	aagactacta	naaaaatttg	atcattatta	aattcaatgt	tatttgacag	180
tgtgaactct	atgtaacagc	acaaattctg	gactttgaat	ctggctgctg	tcctcacctg	240
aaccattaaa	atgaccttgt	taacaaggaa	ggaatcaatg	gggaaatata	acaaccagag	300
attggctgtg	tgtccaaggg	tgctttgtct	tggtgccagg	atcagactgt	gaaatcacag	360
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<210> 4

<211> 696

<212> DNA

<213> Homo sapiens

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ctccggggaa	gagctggatc	agaggtattc	caaggccaag	ccaatgtgta	acacatgtgg	180
gaaagtgttt	tcagaagcca	gcagtttgag	aaggcacatg	agaatacata	aaggagtcaa	240
accttacgtc	tgccacttat	gtggaaaggc	atttacccaa	tgtaaccagc	tgaaaacgca	300
tgtaagaact	catacagggtg	agaagccata	caaattgtgaa	ttgtgtgata	aaggatttgc	360
tcagaaatgt	cagctagtct	tccatagtcg	catgcatcat	ggtgaagaaa	aaccctataa	420
atgtgatgta	tgcaacttac	agtttgcaac	ttctagcaat	ctcaagattc	atgcaaggaa	480
gcatagtgga	gagaagccat	atgtctgtga	taggtgtgga	cagagatttg	ctcaagccag	540
cacactgacc	tatcatgtcc	gtaggcatac	tggagaaaag	ccttatgtat	gtgatacctg	600
tgggaaggca	tttgctgtct	ctagttctct	tatcactcat	tctcgaaaac	atacaggtaa	660
gtttgacagg	gagagactgc	ttaaaataaa	gttata			696

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<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 332

<223> n = A,T,C or G

<400> 5

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ttttcaagat	atgaagtcag	aacctgaatg	tagacatcgg	acagagaagt	cctcaaccac	180

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<211> 557
<212> DNA
<213> Homo sapiens
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<210> 7
<211> 653
<212> DNA
<213> Homo sapiens
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<210> 8
<211> 456
<212> DNA
<213> Homo sapiens
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caacatgcat cccgcgggag ctgccgaaaa tgctgaagga gtttgccaaa gccgccattc 180
gggcgcagcc gcaggacctc atccagtggg gggccgatta ttttgaggcc ctgtcccggtg 240
gagagacgcc tccggtgaga gagcgggtctg agcgagtcgc tttgtgtaac tgggcacagc 300
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taacacctga gctgttaaag atcctgcatt ctcaggttgc tggcagactg atcatccgtg 360
cagaggagct ggcccagatg tggaaagtgg tgaatctccc aacagatctg tttaatagtg 420
tgatgaatgt gggtcgcttc acggaggaga tcgagt 456

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<210> 9
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<212> DNA
<213> Homo sapiens

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attgtttttc caatatcaaa caagtcaaatt ttggaaaagg cataaatctg tatgaacatc 180
ctgtatccat ggagatgtca tgactaaatt cagaaatagc ctcactcttc tttgtttttg 240
ctttcttatg tctgagttct gcatccaatt ctgtttatta catagttttc tataagattg 300
taccctttt aaacagtgtc tattgatata tattctaggt gtctggaagt ctttttctat 360
agtcggctct tggttgtctc tgggaatatg aatggaagga gcagagtga aataaatctg 420
agggcaatat tcataaataa tccaagagct acactgtagt caactctccc cagagcctga 480
ccacagtgtt tccctctctc ctctcccaa cc 512

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<210> 10
<211> 308
<212> DNA
<213> Homo sapiens

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<220>
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<222> 214, 276
<223> n = A,T,C or G

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<400> 10
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atccattaaa aataaaagga aaggaaaacg gcagggaaaa gtgcagtaat aacaaatggt 120
gacatgcttg gtcttaagca tcatagcaaa ctcatatttt ccaatgaaac aaggattttt 180
agacccatct ttggaaatga ttcccaaatt aganaaccat cagggtctcaa aaaaggaagg 240
gtcatcaaag tccatccagc ccagccaccc tgaggngcct gtatctcctc aacaagccca 300
acacaatg 308

```

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<210> 11
<211> 510
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 98, 327
<223> n = A,T,C or G

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<400> 11
attatatgaa tattttaatg caaaatgctt aacacttaaa attagcaaag cgtcatttaa 60
attaaaattc catttaacta aagatgggta accccaanaa attgtacagt agttgatttc 120
tgotatataa tgccagtcct atgccatata ataagaactg caacattagc tgtcacttcc 180
tccattgctc ttctggaccc taagggatga gggaggggac tcagacacaa aacacaaccc 240
aaataaactg tgcagtgatt cctaatagtt ataaacccaa tctaagttgt ccaaacagct 300

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gaagaataac tgcaggtatt gttccanagc tgatacgagg ttttgctttt acagcctggt 360
aaaagttctg cactaggtga gaagtcacag ttttaaggatg catgttctgt aaatagttac 420
tacatatata cattttactgt ctgtaaacac tagaaatata cattagacag agtaccctca 480
caagttgggt acagttttaa aaagaagatg                               510

```

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<210> 12
<211> 611
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 196
<223> n = A,T,C or G

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<400> 12
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aatccctttt gcaatataac ttatatgact atcttctcaa aaacgtgaca ttcgattata 120
acacataaac tacattttata gttgttaagt cacctttagt tataaatatg ttttcatctt 180
ttttttgtaa taaggnacat accaataaca atgaacaatg gacaacaaat cttattttgt 240
tattcttcca atgtaaaatt catctctggc caaaacaaaa ttaaccaaag aaaagtaaaa 300
caattgtccc tctgttcaac aatacagtc tttttaatta tttgagagtt tatctgacag 360
agacacagca ttaaaactgaa agcaccatgg cataaagtct agtaacatta tcctcaaaag 420
ctttttccaa tgtctttcct tcaactgttt attcagattt tggccagtac aaataaagat 480
tggtctcaac tctctctttc attagtctca agtggttccta ttatgcaact agttttcaga 540
ccttcccaac tggcatgtgt ttttaagtgt agtttctttc tttggcttca agtggagttt 600
cacaacattt a                               611

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<210> 13
<211> 394
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 62, 91, 105, 195, 294
<223> n = A,T,C or G

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<400> 13
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anaacaatca tgactatgta attaactgta naaataactg ctaanaaaat atagcaatat 120
ttaacacagg atttctaaaa ccatttatatt ttcattactt ttcccaaagc taatgtccca 180
tgttttatatt tatanacttt gtttatcaag atttatatgc atttggcacc tttttgggct 240
gaaaatagtt gatgtactct gtacagtaat gttacagttt tatacaaaat tcanaaatat 300
tgcatttgga atagtcttta tggctctctt ccaagtattc agtttcacac aacagcaaac 360
actctgaatg cctttcctcc tgcccaacac aatg                               394

```

```

<210> 14
<211> 361
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature

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$$\langle 223 \rangle \quad n = A, T, C \text{ or } G$$

agcaggnact	ataat t t t t a t	aatt a t t t t t	acaattcatg	tagcaaatgg	aaaatcatac	60
agagaggcca	atgtatataa	ataagagttt	atacagaaac	tgccaattca	caaaacagca	120
ctgcatggtt	tctatattgc	aagcacaaga	catggtcaca	tggttccact	gtacaggtag	180
aaacaagccc	acagacaata	catagagtac	cacctgaaac	gaggcccttg	gagctgctca	240
gcttcttana	aaataganaa	ctttcaatgg	tcataataca	ttttgattca	aaatgtcttc	300
taaaatgttt	tcattgtggg	agaaaattaa	gaaggggcaa	aaatccatct	atggaacttc	360
t						361

<211> 537

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

acttacaaaa	ttaatttttat	tttgcaaaac	tcaacaaata	cacgttcaga	tctggttttct	60
cttcaaaaaca	tgtgttttggt	tttttaacaa	acatgcaagt	taattttggca	tgccaaacat	120
ctttctctct	agctgcctt	ggaaaaattt	ttttcataac	acaacaagg	gtgcaaatat	180
tgtccaaaacc	tattttacatt	tttaccctct	agaattacat	acattaatat	ttattggggag	240
gaaagcaaaa	ctgcaaaaaca	tagtcttttg	cattcacatt	tgtcttcagca	gtataatttaa	300
aacctttatat	ttgtttttaaa	gataaacagt	ttgaaggaaa	tttaataaat	cctgtttttgg	360
ctctgcaaaag	gagccctat	atcaaacgat	ttaactggag	ctgtttgagtt	cctgcttggtta	420
gaatattact	tccagcctat	ttatttagctt	gtcttccggg	ggcccaatac	atgcttttttt	480
ccctctacac	tgaatgaaag	tacaaaaaga	aaaccattttc	tttttcccaa	cacaatg	537

<211> 547

<213> Homo sapiens

<221> misc feature

 $\langle 223 \rangle \quad n = A, T, C \text{ or } G$

gggtgtggng	atgtatttat	tcataatata	ttttcagaac	acattaataa	tggagaataa	60
cacttattca	tatactgaat	ataacttttc	ctggagcact	ctagagcttg	tttggagttg	120
gagaatactg	ccaggctttt	cctaattctt	ttggtctttg	gaagtgggca	gggtttctca	180
aaccaagtgt	cttccatggg	ccattggcaa	aggcttcctt	tcatcagctt	ggaggggcag	240
aaagaccatg	gcttcagcac	ttccattttg	gaaagaagta	acaaaaaagt	gaattaatga	300
gcaatcgga	agactcaaag	cattttgtac	tccacagttc	atttcttcac	acaaacgtcc	360
attactgcag	cgggcatgaa	aaccggcagg	gtgttaggct	catggcctga	agagaagtca	420
catcaccagc	cgatgttttc	atgcaaaagg	caatcgtgat	gattcanaac	ctggttctga	480
atttctccag	gtgtgctcgt	gagctgaagg	tcatgcccat	tctgtgcac	ctgtgcccaa	540
cacaatg						547

<210> 17
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 <212> DNA
 <213> Homo sapiens

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 tcttctttca tcaaacacat ctcgatgta aaaacagttt cttcactatc agtattacag 120
 aagacacttt tagccaatga agttttcaaa agaagaaagc ctctgttggt cgcttttttg 180
 atatgcactg aacttctgaa atatcttttc ccaaaagtcc acaaattcct tttccaaatc 240
 ttttaaagac tgtgaatctt tttcaaaatt ctccagctcc tctatgataa tgaattggaa 300
 tttatcaagt tttttaatcc tagagtcctg actttggatg at 342

<210> 18
 <211> 279
 <212> DNA
 <213> Homo sapiens

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 tgttcttggc ttggaagatt ctatttaatt gaaactctct gttcagaaag caataacttt 120
 gtctcgttcc tgttgggctg aaccctaagg tgagtgtgca gtacagtgtg tgtgggtgaa 180
 atggagattt ggaattgaac tctctgcctg taaatgttcc ccaaataatt gttgtgtgta 240
 tgatacgtgt ataataaaag tattcttggt agaatctga 279

<210> 19
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 19
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 cctaactgcc caggcaggcg agagctactt ccagagcctt ccagtgcatt ggagggcagg 120
 gctaggtgta gcggtgtctc ctctttgaaa ttaagaacta tctttcttgt agcaaagctg 180
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<210> 20
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 <212> DNA
 <213> Homo sapiens

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 aacataagct tccagggtc cctgatgag gaggagcctg tccttttcag atggatgggc 120
 atccagccac tgagagaagc gtgtgtggga ccactctgcc ctctggaaaag gagatttcag 180
 ttccagcgggt gctctcgtga acaaaaactg aataatgatg ctgaacggaa tcacatcccc 240
 caatgcagga ctactggcta catgttcact tgcttgaag agcagaggct tgaatgatct 300
 cagcatccga taggactttc ctaaatcaga tactcgtcta cagaatgaac ccacagccaa 360
 ctccatctgt gcaaaatcag cagcaagtcg cattttccca ccttcaccaa gaggtcttat 420
 gagactggca tggcgataaa aaagttcaac agctctttgg gcaataacct cagtgttggt 480
 aaagacaaaa tccaagcatt caaagtgttt aaaatagtca ctcataa 527

<210> 21

<211> 399
 <212> DNA
 <213> Homo sapiens

<400> 21
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 acagccaacc aaccaatcaa catgtattta ataaccacct atgggggtgca aagcacaaaa 120
 gggcaatcat cttgaaaagg aaagaccaag aatgtgctag agtaaagaga cagagaccag 180
 accctactct caagatcaag agacttcagt ctcgagaca tctgccattt ctctcttctt 240
 aataaacctc atttgccctt aaaaatacat ttgctttggg ggcccagaat caagaaagga 300
 aactttacaa agtaaacaga agttactccc cacagggagg cagaagcaga ttaaccccaa 360
 cagcagacat ctgcccggaa gagcaaactc cacatctgg 399

<210> 22
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 22
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 attgatgata caaagagagc tggaatgaaa gagctaaaac gtcacccctct cttcagtgat 120
 gtggactggg aaaatctgca gcatcagact atgcctttca tccccagcc agatgatgaa 180
 acagatacct cctattttga agccaggaat actgctcagc acctgaccgt atctggattt 240
 agtctgtagc acaaaaaattt tccttttagt ctagcctcgt gttatagaat gaacttgcac 300
 aattatatac tccttaatac tagattgatc taagggggaa agatcattat ttaacctagt 360
 tcaatgtgct tttaatgtac gttacagctt tcacagagtt aaaaggctga aaggaatata 420
 gtcagtaatt tatcttaacc tcaaaactgt atataaatct tcaaagcttt tttcatctat 480
 ttattttggt tattgcactt tatgaaaact gaagcatcaa taaaattaga gg 532

<210> 23
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 23
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 taataccatc gacgtccctc cagaagagga gtgtgaattt tagacacttc tgcagggatc 120
 tgctgcac ctagacaggt gccgtcccca gcacggtgat tagtcccaga gctcggctgc 180
 cacctccacc ggacacctca gacacgcttc tgcag 215

<210> 24
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 24
 cctgaggctc caggctaaga agtagccaag tttcacctgg agagaagagt agagggactt 60
 cccaaatttc ttcctgaact cagctctgat actcagaagg tcagtctcac atcgagagat 120
 aaggatgcga atcaggactt ggtaattggg ctcaagttcc tagtagggga agaaagagat 180
 ggggggtagt tagtgagagt ctcaactgaga gtagg 215

<210> 25
 <211> 530
 <212> DNA

<213> Homo sapiens

<400> 25

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tttttttttct agtaagacta gatttattca ataccctagt aaaagttttg attataagta 60
tccaacagta taaaaagtac aaaacagatc tgtagatttc taatatatta atacaaagtg 120
catgactaca tacagtacat cctacaggca aagagagggtg gaaggggaaa aagaagactg 180
tggttgaggt ctagtaataa ataaataaat acagaagtag agatgatcca tattatagta 240
tattctacca ccaatactgc agccaaaatg tacaaaaaaa atcatttcaa ataactcagg 300
aggatgataa tggctggact tttgtaattc acctcaaaga ctgtgggaga gccaaactcaa 360
ctcactgtat agtctgtgca tatgggtggct tgtagcatgt aggttttttc caaaagaagg 420
aaatataaaa tgtttagatt aagaactata aaactacagg gtgcctataa aaggtggcct 480
actccttatt gttattatac tatccaattt ttaaaatgca gtttaaaaaa 530

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<210> 26

<211> 366

<212> DNA

<213> Homo sapiens

<400> 26

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ccagcagttc tcggacctcc tctgggggca gggagaggcc attgggtcag gggctggacc 60
caggaggagt tggaatgggt gaaagatggg gagcaagttt ttaggggtaca ggggtggcct 120
aagatgggtc agtagacaga tgggagcaca gagcagggca gggggtgagg tcaagtgagg 180
gccacaggat gtgctgaggg ctcccaggga gccctaccca ggctcacgtc ctcttggtca 240
ccacctgtac tgtctggggg ccacagggtg tgggcgttgc cagggagcac tgggagggcc 300
tcggtagggt ccacctgtag ggagaggatg tcaggaccac tagcctctgg gcaagggcag 360
aggagg                                     366

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<210> 27

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 241

<223> n = A,T,C or G

<400> 27

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ccaaactcag agatggtacc agccaggggc aagcatgacc agagccaggg accctgtggc 60
tctgatcccc catttatcca ccccatgtgc ctcaggacta gagttagcaa tcatacotta 120
taaatgactt ttgtgccttt ctgctccagt ctcaaaattt cctacacctg ccagttcttt 180
acatttttcc aaggaaagga aaacggaagc agggttcttg cctggtagct ccaggaccca 240
nctctgcagg cacccaaaga ccctctgtgt ccagcctctt ccttgagttc tcggaacctc 300
ctccctaatt ctcccttctt tccccacaag g                                     331

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<210> 28

<211> 530

<212> DNA

<213> Homo sapiens

<400> 28

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ccatgaatgc ccaacaagat aatattctat accagactgt tacaggattg aagaaagatt 60
tgtcaggagt tcagaaggtc cctgcactcc tagaaaatca agtggaggaa aggacttggt 120
ctgattcaga agatattgga agctctgagt gctctgacac agattctgaa gagcagggag 180

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<210> 29
<211> 571
<212> DNA
<213> Homo sapiens
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<400> 29							
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agaacattaa	gtcttttaaaa	aggcttagga	agacataaac	agtaaattctt	tgtttttcta	180	
ccttccttttg	gacagtgtta	tatttcactt	tcttcctttgc	aaaatgtttc	caaattcatt	240	
tgctcaggat	ttattttaaga	taataactta	aaacaactaa	cagttgttta	tgctatatgc	300	
atatcatgca	tgttctactg	gttcaaggac	aaaattaaaa	caagatcttc	tctgtaaagc	360	
aaataatatt	attatgcact	ttcatatata	cagggatttt	ttgagtacca	angggataaa	420	
ataaaactttt	tacaatgtga	aattcaatgt	acattttttgg	ctattttacat	acctcaaacc	480	
aagggaaaaa	taaaaagaaa	gcatttgttt	gcaactacat	ttgctgagaa	gtgtaaattgg	540	
aggacattaa	gcaaaacaaa	tatttgcata	g			571	

<400> 30							
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tcattttcaa	atcacttcac	ataatggtgt	catcatttaa	acacttaaca	gtcagtgcaa	120	
ctgccactgt	aacatctagt	tggaacaaa	cacaaggagg	gggaggagaa	aatgccatca	180	
ctattatgtt	aacaaacatt	taattttaaat	ggttgctgca	ctagtaaatt	tctgcagaaa	240	
acagttttac	ccgccccctt	tcacagttcc	aaattaatca	aggatgcttt	tctataatct	300	
gatgcttagc	aaattagctc	atgattcaaa	ttttgccctc	ttgaagcaca	tatacctttt	360	
attttaaaag	tccattatag	agaatttgga	atatataagg	tatttgaatt	gcagaacacc	420	
cctctaattc	tgtaaatata	gcaaagacaa	aacagtatca	tatacatcaa	gatcatactt	480	
ttaaagtaag	tttaaagggtc	tcaattgccc	agatattaaa	tttatatttt	ccttctatta	540	
aaaaatatta	catttcaatt	ttgtaatat	gtaacatatt	ttaagatgac	cagcaagacc	600	
tagtcaattt	gaaaataccc	ttgcattcca	tacacaagct	ataccataag	taataaccca	660	
agtatatgat	gtgtaaaagt	tggtgaaggt	cataatactg	aatttttttg	caaagttaa	720	
ctgctttcca	agtaatacgc	accatttttt	actagactac	attttaatca	cttccttagc	780	
ctgttacaac	ctctacttag	gcataaataa	aagaatctga	aattgggtata	tttccccttc	840	
ctgctgtgtt	aaccaaaaat	actatttgac	ttaaagatca	aagagtcttt	ttcctgaagg	900	
tttttgtttt	taaattgt					917	

$\langle 210 \rangle$	31
$\langle 211 \rangle$	367

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 124
<223> n = A,T,C or G

<400> 31
tcttttcttt ctgtatttcc caaattacag ggagctatgc ccttggtatt gcacacagta 60
cactgcaaaa gattcacaag gttagtgtgaa agtcattttt gccctggtga ttcaaagctc 120
aaanaatttt ctagcataaa gtcttattaa aaattttaat caaaatatta tttgagttta 180
agtttaataa aacaatacca ctatatatac tctcaacaac ttcattatat aatcagtcct 240
atgaggttgt acttgctttt catatcacac tgattaagga caaaaataat tttgatgtac 300
atgtaccata cactgatatg caatctacac actgatgcat ttacatacat acaaccccaa 360
cacaatg 367

<210> 32
<211> 847
<212> DNA
<213> Homo sapiens

<400> 32
cattgtgttg ggctggcagg atagaagcag cggctcactt ggactttttc accagggaaa 60
tcagagacaa tgatggggct cttccccaga actacagggg ctctggccat cttcgtggta 120
agtcctggat tttcctaata atcacaaact tccctgcttc ctcccttggt aaagaatatt 180
atatttgatt gcacaatctt tattataaat tctaaaagga gtgcagtgga aatcaacact 240
ttgaaatgaa atcgtgaaga ttaccaatth ccttcttttg ttgtttttta tgttgatttt 300
tacatagaaa aataaaccag aaagaaatga gttttaaaaa ccatttagaa ttttttttag 360
ttaatgaatt aagtaatctt aatcacaggt tatattttcc acaacatttt cactttcttt 420
aaagttatgc ttttactagt ttttctaacc cacaaacaag aacacaggag ccacttctat 480
tttccaagat tacatgtctc ttagcatata gctaagaact ctacacgcct gggcttgata 540
cctgacacgc ttttaaaagt aaaaaatcgc agaatttaaa tcaaagcagt gtttgactct 600
agagaagttg ggaggattat taagtaagta tttatgttta gctattatgt gccaaaagaa 660
aatgtcagcc tttggggatg gggggaaaga catacaacat tttaaagcca tttttttcag 720
aaaagtaata cttctgttga ttgagaaagt cgtacatagt attatctaaa agagaaacgg 780
aatgttacag actgttttaa acctggatgt tacagactaa cttactcctt aactgtgttc 840
ttatagc 847

<210> 33
<211> 863
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 321, 563, 601, 858
<223> n = A,T,C or G

<400> 33
cattgtgttg ggctttttatt tgagtttatg aacagaaata gaaagtatgg tgcttggggtt 60
ttgccctttc ttactcctga aagttaaatc agaagacact gatttcattt tgtgaaattt 120
agctcagaga ctattgatct tttgtttcat taatatgaac aactattagt aaaaaatagc 180
tttaacagca tttctgctga tatctagtaa tctattcttt taatgtgaaa ataagataaa 240

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atgtcctgga gctaattcta gcttaaattt gccagtattt ctgtatgtca ttaagttttt 300
ttcctctaag gttggtaata naattttgtt aatctttgca tacctgatgg catctatgtc 360
aatgctgatt gggtaattat aaattctgtg ctaattttaa acttaatttg cctcttaagg 420
tgattgtcct ctgagtaatg attgtagtta aatgaagtat agcttgcaac tatactatca 480
catgggtcgt taagtaaaaa taaataaacc aaatttgtct gagacaggct aagatcaatc 540
ttctcatcaa accaattttt ctntaagagc aatttcactt tcagtttttag ggtggacatt 600
nttgaatgcc tcaaattaaa cgttatctat ttaatcttcc tggaatagtc tgtgaccaa 660
aaggagggtg tgatatatatt aggtgtaaat atatcacata tatggtgtga tatatttggg 720
atttatatat tcagctcatt ctctgtgaag aagtcctcct gactaaaatt ggtttcaaga 780
taaactaatt tctgttagta ttctactctt gcctaccatg tatgcctttt tgttagaaac 840
taataaatgt atcagtcnct agc                                     863

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<210> 34

<211> 432

<212> DNA

<213> Homo sapiens

<400> 34

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agtgcatttc ctcttgattt gtctgggtta aaaccattcc ttttgtatga aatgttttga 60
cttaggaatc attttatgta ctgttcttac ctggattgtc aacaactgaa agtacatatt 120
tcatccaaat caagctaaaa tgtattttaag ttgattctga gagtacaggc cagtaagcct 180
cattatttgg aatttgagag aaggtatagg tgatcggatc tgtttcattt ataaaaggct 240
cagtttttag gactagtaca ttctgtttat tttctgggtt ttatcatttt gcctaaaata 300
ggatataaaa gggacaaaaa ataagtagac tgtttttatg tgtgaattat atttctacta 360
aatgtttttg tatgactgtg ttataactga taatatatat atatatatat atatatatca 420
acttgttaaa tt                                     432

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<210> 35

<211> 350

<212> DNA

<213> Homo sapiens

<400> 35

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ccagaggggt gtttatctta gggttggaat gtttctgatt atgctgacaa tagccattag 60
gotgatgttt tggggctgga tttaggcagt ttttaaataa aagagaaactt aaaatgggtg 120
tgtttgtcca agatgggtgat gttcctgctg tcaattagca taaacaaaag agaattctga 180
tacctgtttg gaatgtcttc attcctctga gcttctccac tcacaggata aatgcaggag 240
tggtctcccc tcatggacac ctgcaaagtc agagtgtggg ggctctcctg gccctgcac 300
actagcaaga gcaaaagctg ctccgagctt tgtttttaga acctgggtcga 350

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<210> 36

<211> 1082

<212> DNA

<213> Homo sapiens

<400> 36

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atgaactaca gcctccactt ggccttcgtg tgtctgagtc tcttcactga gaggatgtgc 60
atccagggga gtcagttcaa cgctcaggct ggcagaagtg acaagctttc cctgcctggc 120
tttgagaacc tcacagcagg atataacaaa tttctcaggc ccaatttttg tggagaaccc 180
gtacagatag cgctgactct ggacattgca agtatctcta gcatttcaga gagtaacatg 240
gactacacag ccaccatata cctccgacag cgctggatgg accagcggct ggtgtttgaa 300
ggcaacaaga gcttcactct ggatgccgc ctctgtggag tctctgggt gccagatact 360
tacattgtgg agtccaagaa gtccttctc catgaagtca ctgtgggaaa caggctcatc 420
cgctctttct ccaatggcac ggtcctgtat gccctcagaa tcacgacaac tgttgcatgt 480

```

```

aacatggatc tgtctaaata ccccatggac acacagacat gcaagttgca gctggaaagc 540
tggggctatg atggaaatga tgtggagttc acctggctga gagggaacga ctctgtgcgt 600
ggactggaac acctgcggtc tgctcagtac accatagagc ggtatttcac cttagtcacc 660
agatcgagc aggagacagg aaattacact agattggtct tacagtttga gcttcggagg 720
aatgttctgt atttcatttt ggatctctct cgattcagtc cctgcaagaa cctgcattgg 780
ggacaacaaa ggaagtagaa gaagtcagta ttactaatat catcaacagc tccatctcca 840
gctttaaacg gaagatcagc ttgcccagca ttgaaatttc cagcgacaac gttgactaca 900
gtgacttgac aatgaaaacc agcgacaagt taaagtttgt cttccgagaa aagatgggca 960
ggattgttga ttatttcaca attcaaaacc ccagtaatgt tgatcactat tccaaactac 1020
tgtttccttt gatttttatg ctagccaatg tattttactg ggcatactac atgtattttt 1080
ga 1082

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<210> 37

<211> 1135

<212> DNA

<213> Homo sapiens

<400> 37

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atgaactaca gcctccactt ggcccttcgtg tgtctgagtc tcttcaactga gaggatgtgc 60
atccagggga gtcagttcaa cgtcgaggtc ggcagaagtg acaagctttc cctgcctggc 120
tttgagaacc tcacagcagg atataacaaa tttctcaggc ccaatttttg tggagaaccc 180
gtacagatag cgctgactct ggacattgca agtatctcta gcatttcaga gagtaacatg 240
gactacacag ccaccatata cctccgacag cgctggatgg accagcggct ggtgtttgaa 300
ggcaacaaga gcttcaactc ggatgcccgc ctctgtggag tcctctgggt gccagatact 360
tacattgttg agtccaagaa gtccttcctc catgaagtca ctgtgggaaa caggctcatc 420
cgctcttctt ccaatggcac ggtcctgtat gccctcagaa tcacgacaac tgttgcatgt 480
aacatggatc tgtctaaata ccccatggac acacagacat gcaagttgca gctggaaagc 540
tggggctatg atggaaatga tgtggagttc acctggctga gagggaacga ctctgtgcgt 600
ggactggaac acctgcggtc tgctcagtac accatagagc ggtatttcac cttagtcacc 660
agatcgagc aggagacagg aaattacact agattggtct tacagtttga gcttcggagg 720
aatgttctgt atttcatttt ggaaacctac gttccttcca ctttctgtgt ggtgttgtcc 780
tggttttcat tttggatctc tctcgattca gtccctgcaa gaaccgcat tggggacaac 840
aaaggaagta gaagaagtca gtattactaa tatcatcaac agctccatct ccagctttaa 900
acggaagatc agctttgcca gcattgaaat ttccagcgac aacgttgact acagtgactt 960
gacaatgaaa accagcgaca agttaaagtt tgtcttcgga gaaaagatgg gcaggattgt 1020
tgattatttc acaattcaaa accccagtaa tgttgatcac tattccaaac tactgtttcc 1080
tttgattttt atgctagcca atgtatttta ctgggcatcc tacatgtatt tttga 1135

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<210> 38

<211> 1323

<212> DNA

<213> Homo sapiens

<400> 38

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atgaactaca gcctccactt ggcccttcgtg tgtctgagtc tcttcaactga gaggatgtgc 60
atccagggga gtcagttcaa cgtcgaggtc ggcagaagtg acaagctttc cctgcctggc 120
tttgagaacc tcacagcagg atataacaaa tttctcaggc ccaatttttg tggagaaccc 180
gtacagatag cgctgactct ggacattgca agtatctcta gcatttcaga gagtaacatg 240
gactacacag ccaccatata cctccgacag cgctggatgg accagcggct ggtgtttgaa 300
ggcaacaaga gcttcaactc ggatgcccgc ctctgtggag tcctctgggt gccagatact 360
tacattgttg agtccaagaa gtccttcctc catgaagtca ctgtgggaaa caggctcatc 420
cgctcttctt ccaatggcac ggtcctgtat gccctcagaa tcacgacaac tgttgcatgt 480
aacatggatc tgtctaaata ccccatggac acacagacat gcaagttgca gctggaaagc 540
tggggctatg atggaaatga tgtggagttc acctggctga gagggaacga ctctgtgcgt 600

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```

ggactggaac acctgcggt tgctcagtac accatagagc ggtatttcac cttagtcacc 660
agatcgcagc aggagacagg aaattacact agattggtct tacagtttga gcttcggagg 720
aatgttctgt atttcatttt ggaaacctac gtcccttcca ctttcctggt ggtgttgtcc 780
tgggtttcat tttgatctc tctcgattca gtccctgcaa gaacctgcat tggagtgaag 840
accgtgttat caatgaccac actgatgatc gggccccga cttctcttcc caacaccaac 900
tgcttcatca aggccatcga tgtgtacctg gggatctgct ttagctttgt gtttggggcc 960
ttgctagaat atgcagttgc tcactacagt tccttacagc agatggcagc caaagatagg 1020
gggacaacaa aggaagtaga agaagtcagt attactaata tcatcaacag ctccatctcc 1080
agctttaaac ggaagatcag ctttgccagc attgaaattt ccagcgacaa cgttgactac 1140
agtgaactga caatgaaaac cagcgacaag ttcaagtttg tcttccgaga aaagatgggc 1200
aggattgttg attatttcac aattcaaaac cccagtaatg ttgatcacta ttccaaaacta 1260
ctgtttcctt tgatttttat gctagccaat gtattttact gggcatacta catgtatttt 1320
tga 1323

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<210> 39
<211> 440
<212> PRT
<213> Homo sapiens

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<400> 39
Met Asn Tyr Ser Leu His Leu Ala Phe Val Cys Leu Ser Leu Phe Thr
 1          5          10          15
Glu Arg Met Cys Ile Gln Gly Ser Gln Phe Asn Val Glu Val Gly Arg
 20          25          30
Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn Leu Thr Ala Gly Tyr
 35          40          45
Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu Pro Val Gln Ile Ala
 50          55          60
Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile Ser Glu Ser Asn Met
 65          70          75          80
Asp Tyr Thr Ala Thr Ile Tyr Leu Arg Gln Arg Trp Met Asp Gln Arg
 85          90          95
Leu Val Phe Glu Gly Asn Lys Ser Phe Thr Leu Asp Ala Arg Leu Val
100          105          110
Glu Phe Leu Trp Val Pro Asp Thr Tyr Ile Val Glu Ser Lys Lys Ser
115          120          125
Phe Leu His Glu Val Thr Val Gly Asn Arg Leu Ile Arg Leu Phe Ser
130          135          140
Asn Gly Thr Val Leu Tyr Ala Leu Arg Ile Thr Thr Thr Val Ala Cys
145          150          155          160
Asn Met Asp Leu Ser Lys Tyr Pro Met Asp Thr Gln Thr Cys Lys Leu
165          170          175
Gln Leu Glu Ser Trp Gly Tyr Asp Gly Asn Asp Val Glu Phe Thr Trp
180          185          190
Leu Arg Gly Asn Asp Ser Val Arg Gly Leu Glu His Leu Arg Leu Ala
195          200          205
Gln Tyr Thr Ile Glu Arg Tyr Phe Thr Leu Val Thr Arg Ser Gln Gln
210          215          220
Glu Thr Gly Asn Tyr Thr Arg Leu Val Leu Gln Phe Glu Leu Arg Arg
225          230          235          240
Asn Val Leu Tyr Phe Ile Leu Glu Thr Tyr Val Pro Ser Thr Phe Leu
245          250          255
Val Val Leu Ser Trp Val Ser Phe Trp Ile Ser Leu Asp Ser Val Pro
260          265          270

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Ala	Arg	Thr	Cys	Ile	Gly	Val	Thr	Thr	Val	Leu	Ser	Met	Thr	Thr	Leu
		275						280				285			
Met	Ile	Gly	Ser	Arg	Thr	Ser	Leu	Pro	Asn	Thr	Asn	Cys	Phe	Ile	Lys
		290				295					300				
Ala	Ile	Asp	Val	Tyr	Leu	Gly	Ile	Cys	Phe	Ser	Phe	Val	Phe	Gly	Ala
305					310					315					320
Leu	Leu	Glu	Tyr	Ala	Val	Ala	His	Tyr	Ser	Ser	Leu	Gln	Gln	Met	Ala
				325					330					335	
Ala	Lys	Asp	Arg	Gly	Thr	Thr	Lys	Glu	Val	Glu	Glu	Val	Ser	Ile	Thr
			340					345					350		
Asn	Ile	Ile	Asn	Ser	Ser	Ile	Ser	Ser	Phe	Lys	Arg	Lys	Ile	Ser	Phe
		355					360					365			
Ala	Ser	Ile	Glu	Ile	Ser	Ser	Asp	Asn	Val	Asp	Tyr	Ser	Asp	Leu	Thr
		370				375					380				
Met	Lys	Thr	Ser	Asp	Lys	Phe	Lys	Phe	Val	Phe	Arg	Glu	Lys	Met	Gly
385					390					395					400
Arg	Ile	Val	Asp	Tyr	Phe	Thr	Ile	Gln	Asn	Pro	Ser	Asn	Val	Asp	His
				405					410					415	
Tyr	Ser	Lys	Leu	Leu	Phe	Pro	Leu	Ile	Phe	Met	Leu	Ala	Asn	Val	Phe
			420					425					430		
Tyr	Trp	Ala	Tyr	Tyr	Met	Tyr	Phe								
		435					440								

<210> 40
 <211> 289
 <212> PRT
 <213> Homo sapiens

<400> 40

Met	Asn	Tyr	Ser	Leu	His	Leu	Ala	Phe	Val	Cys	Leu	Ser	Leu	Phe	Thr
1				5					10					15	
Glu	Arg	Met	Cys	Ile	Gln	Gly	Ser	Gln	Phe	Asn	Val	Glu	Val	Gly	Arg
			20					25					30		
Ser	Asp	Lys	Leu	Ser	Leu	Pro	Gly	Phe	Glu	Asn	Leu	Thr	Ala	Gly	Tyr
		35					40					45			
Asn	Lys	Phe	Leu	Arg	Pro	Asn	Phe	Gly	Gly	Glu	Pro	Val	Gln	Ile	Ala
		50				55					60				
Leu	Thr	Leu	Asp	Ile	Ala	Ser	Ile	Ser	Ser	Ile	Ser	Glu	Ser	Asn	Met
65					70					75					80
Asp	Tyr	Thr	Ala	Thr	Ile	Tyr	Leu	Arg	Gln	Arg	Trp	Met	Asp	Gln	Arg
			85						90					95	
Leu	Val	Phe	Glu	Gly	Asn	Lys	Ser	Phe	Thr	Leu	Asp	Ala	Arg	Leu	Val
			100					105					110		
Glu	Phe	Leu	Trp	Val	Pro	Asp	Thr	Tyr	Ile	Val	Glu	Ser	Lys	Lys	Ser
		115					120					125			
Phe	Leu	His	Glu	Val	Thr	Val	Gly	Asn	Arg	Leu	Ile	Arg	Leu	Phe	Ser
		130				135					140				
Asn	Gly	Thr	Val	Leu	Tyr	Ala	Leu	Arg	Ile	Thr	Thr	Thr	Val	Ala	Cys
145					150					155					160
Asn	Met	Asp	Leu	Ser	Lys	Tyr	Pro	Met	Asp	Thr	Gln	Thr	Cys	Lys	Leu
				165					170					175	
Gln	Leu	Glu	Ser	Trp	Gly	Tyr	Asp	Gly	Asn	Asp	Val	Glu	Phe	Thr	Trp
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<210> 41
<211> 265
<212> PRT
<213> Homo sapiens
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<400> 41															
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Glu	Arg	Met	Cys 20	Ile	Gln	Gly	Ser	Gln 25	Phe	Asn	Val	Glu	Val 30	Gly	Arg
Ser	Asp	Lys 35	Leu	Ser	Leu	Pro	Gly 40	Phe	Glu	Asn	Leu	Thr 45	Ala	Gly	Tyr
Asn 50	Lys	Phe	Leu	Arg	Pro	Asn 55	Phe	Gly	Gly	Glu	Pro	Val 60	Gln	Ile	Ala
Leu 65	Thr	Leu	Asp	Ile	Ala 70	Ser	Ile	Ser	Ser	Ile 75	Ser	Glu	Ser	Asn 80	Met
Asp	Tyr	Thr	Ala	Thr 85	Ile	Tyr	Leu	Arg	Gln 90	Arg	Trp	Met	Asp 95	Gln	Arg
Leu	Val	Phe	Glu 100	Gly	Asn	Lys	Ser	Phe 105	Thr	Leu	Asp	Ala 110	Arg	Leu	Val
Glu	Phe	Leu 115	Trp	Val	Pro	Asp 120	Thr	Tyr	Ile	Val	Glu	Ser 125	Lys	Lys	Ser
Phe 130	Leu	His	Glu	Val	Thr	Val 135	Gly	Asn	Arg	Leu	Ile 140	Arg	Leu	Phe	Ser
Asn 145	Gly	Thr	Val	Leu	Tyr 150	Ala	Leu	Arg	Ile	Thr 155	Thr	Thr	Val	Ala	Cys 160
Asn	Met	Asp	Leu	Ser 165	Lys	Tyr	Pro	Met	Asp 170	Thr	Gln	Thr	Cys 175	Lys	Leu
Gln	Leu	Glu	Ser 180	Trp	Gly	Tyr	Asp	Gly 185	Asn	Asp	Val	Glu	Phe 190	Thr	Trp
Leu	Arg	Gly 195	Asn	Asp	Ser	Val	Arg 200	Gly	Leu	Glu	His	Leu 205	Arg	Leu	Ala
Gln	Tyr 210	Thr	Ile	Glu	Arg	Tyr 215	Phe	Thr	Leu	Val	Thr 220	Arg	Ser	Gln	Gln
Glu 225	Thr	Gly	Asn	Tyr	Thr 230	Arg	Leu	Val	Leu	Gln 235	Phe	Glu	Leu	Arg	Arg 240
Asn	Val	Leu	Tyr	Phe 245	Ile	Leu	Asp	Leu	Ser 250	Arg	Phe	Ser	Pro	Cys 255	Lys

Asn Leu His Trp Gly Gln Gln Arg Lys
 260 265

<210> 42
 <211> 574
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8
 <223> n = A,T,C or G

<400> 42
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 gtgactatac tagcataaat cattcttcta gtaaaacagc taaggatatag acatttcta 120
 aatttgggaa aacctatgat tacaagtaaa aactcagaaa tgcaaagatg ttgggtttttt 180
 gtttctcagt ctgcttttagc ttttaactct ggaaacgcat gcacactgaa ctctgctcag 240
 tgctaaacag tcaccagcag gttcctcagg gtttcagccc taaaatgtaa aacctggata 300
 atcagtgtat gttgcaccag aatcagcatt ttttttttaa ctgcaaaaaa tgatgggtctc 360
 atctctgaat ttatatctct cattcttttg aacatactat agctaataata ttttatgttg 420
 cttaaattgct tctatctagc atgttaaaca aagataatat actttcgatg aaagtaaatt 480
 ataggaaaaa aattaactgt tttaaaaaga acttgattat gttttatgat ttcaggcaag 540
 tattcatttt taacttgcta cctactttta aata 574

<210> 43
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 242, 263
 <223> n = A,T,C or G

<400> 43
 tttttttttt ttttttattg ccatcaattt attaaaaataa acatgtatag caggtttcaa 60
 caattgtctt gtagtttgta gtaaaaagac ataagaaaga gaagggtgtg tttgcagcaa 120
 tccgtagctg gtttctcacc ataccctgca gttctgtgag ccaaaggctc tgcagaaagt 180
 taaaataaat cacaaagact gctgtcatat attaattgca taaacacctc aacattgctc 240
 anagtttcat ccgttttggt aanaaaacat tccttcaatt catctatggc atttgtagtg 300
 gcattgtcgt ctatgaactc ttgaagaagt tctttgtatt cagtcttaga cacttggtga 360
 ttgattgtct tggaaatcac attctccaat aaggggcagc cagagcctgc gtagcagtg 420
 tgggagaggg ccgccagcat gaggaccatc agcaacttca tgggtgag 467

<210> 44
 <211> 613
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 494, 556

<223> n = A,T,C or G

<400> 44

```

tttttttttt ttttttttag ttttaaaata ttttcacttt attattatgc ttataatatt 60
attccaacag actgtattaa aggcagtgat cactaacaca gaacacgaca gggcgaagag 120
gcagccgggc cgattgcagg acgtggcctg tcgggccagg gtcgctgaca tgcacgctgg 180
tagctcatac actgctaccc tcagcacagg ctgcagggaat agggacaaga cagatgccgc 240
cggactctta gaagctatth aataaatatc atccaaaaac aaaatggaaa agaaacaaga 300
aaccctccga gcacaaccac cttaggccaa ctgaatgtaa tctagtttat tcaacaaaaa 360
attgagagag aaggaaaata ttgaaacaaa caaacgaaag aaagcagttc ttaagactag 420
cagtaaataa atttatacaa cagttcgggtc tgtataatat gatgaaataa atctacatct 480
tttcttattt tggngctttg aattatcat acaaacaaca attacaggga cttgttcaca 540
aagcatgtag gcctanaaaa aggcctctctg aaaccctcaa tggcaactgg tgaacggtaa 600
cactgattgc cca                                     613

```

<210> 45

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 309

<223> n = A,T,C or G

<400> 45

```

accagaccaa gtgaatgcga caggaatta tttcctgtgt tgataattca tgaagtagaa 60
cagtataatc aaaatcaatt gtatcatcat tagttttcca ctgcctcaca ctagttagct 120
gtgccaagta gtagtgtgac acctgtgttg tcattttcca catcacgtaa gagcttccaa 180
ggaaagccaa atcccagatg agtctcagag agggatcaat atgtccatga ttatcaggta 240
tgctgactat ttccaagggg tttttcagtt gcttcatttg cttgtaaagc aggtaatcct 300
cttgttgtnt tttctttttc tcgatgagcc gtgt                                     334

```

<210> 46

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 9, 392

<223> n = A,T,C or G

<400> 46

```

acaattttnt taaacaagca gaatagcact aggcagaata aaaaattgca cagacgtatg 60
caattttcca agatagcatt ctttaaattc agtattcagc ttccaaagat tggttgcccc 120
taatagactt aaacatataa tgatggctaa aaaaaataag tatacgaaaa tgtaaaaaag 180
gaaatgtaag tccactctca atctcataaa aggtgagagt aaggatgcta aagcaaaaata 240
aatgtagggt ctttttttct atttccggtt atcatgcagt ctgcttcttt gatatgcctt 300
agggttaccc atttaagtta gaggttgtaa tgcaatgggtg ggaatgaaaa ttgatcaaat 360
atacaccttg tcatttcatt tcaaattgcg gntggaaaact tccaaaaaaa gggtaggcct 420
gaagaaaaa                                     429

```

<210> 47

<211> 394
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8, 42
 <223> n = A,T,C or G

<400> 47
 acgcgaantt gtgttatgac tgatagcctt cagctacaaa angataggac tgacctgggt 60
 taaagtgttc tattttgtaa atcattccat ttgagtcctt ctgatgaact tggctatact 120
 gaaatctgtt attttagtga ggctccaaaa tgagcaaagc taggcctgat tagagtagag 180
 tgactattaa aaaacataac tttctaggag ctataaatca aagttttaaa aagatgtttg 240
 gatataattg agtattccga tcatgaaaac agaaattgcc ctgcctacta caaggacaga 300
 ctgatgggaa attatgcacc tggccaactt agcttttaag cagacgatgc tgtaaaaaca 360
 aacggcttct ctgatattta ttgtaagttt tagt 394

<210> 48
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 48
 acaaaggaac cgaggggtga ccacctctga gatgtccttg actttgtcat agcctggggc 60
 atattgagca tctctctcac agctgcctt cttatcccca ttcttgatgt agacctcctt 120
 ccgagtcagc tttttctcct cctcagacac aaacagagct ttgatatact gtgcagggag 180
 cagctcttcc ttttggtgct ggcaagtggg agttggagga agcctcaaaag ctcgagttgt 240
 tccctcgggtg caggggagac aaatgggcct gatagtctgg ccatatttca gottattctt 300
 gagcttgatc agggcaacgt catagtcata aaattcagga attcctgctt cttttttccc 360
 attaatgttg tagttggggg gaaataggac tacttctatc tccaggctcc gtttctcccc 420
 tcccttgatt gagtggtcct tgtcatccac agtgaaacaa tgtgctgctg tcagcacaaa 480
 gtacct 486

<210> 49
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 49
 acgggctgac agagaagatt cccgagagta aatcatcttt ccaatccaga ggaacaagca 60
 tgtctctctg ccaagatcca tctaaactgg agtgatgtta gcagaccag cttagagtgc 120
 ttctttcttt ctttagccct ttgctctgga ggaagtcttc cagcttcagc tcaactcaca 180
 gtttctccaa gcatcacctt gggagtttcc tgagggtttt ctcataaatg agggctgcac 240
 attgcctgtt ctgcttcgaa gtattcaata ccgctcagta ttttaaatga agtgattcta 300
 agatttgggt tgggatcaat aggaaagcat atgcagccaa ccaagatgca aatgttttga 360
 aatgatatga ccaaaatttt aagtaggaaa gtcacccaaa cacttctgct ttcacttaag 420
 tgtctggccc gcaatactgt aggaacaagc atgatcttgt tactgtgata ttttaaatat 480
 ccacagt 487

<210> 50
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 415, 459
 <223> n = A,T,C or G

<400> 50
 acatattttg gttgaagaca ccagactgaa gtaaacagct gtgcatccaa tttattatag 60
 ttttgtaagt aacaatatgt aatcaaactt ctaggtgact tgagagtgga acctcctata 120
 tcattattta gcaccgttta tgacagtaac catttcagtg tattgtttat tataccactt 180
 atatcaactt atttttcacc aggttaaaat ttttaattct acaaaataac attctgaatc 240
 aagcacactg tatgttcagt aggttgaact atgaacactg tcatcaatgt tcagttcaaa 300
 agcctgaaag tttagatcta gaagctggta aaaatgacaa tatcaatcac attaggggaa 360
 ccattgttgt cttcacttaa tccatttagc actattgaaa ataagcacac caagntatat 420
 gactaatata acttgaaaat tttttatact gagggggtng 460

<210> 51
 <211> 529
 <212> DNA
 <213> Homo sapiens

<400> 51
 acacttgaaa ccaaatttct aaaacttggt tttcttaaaa aatagttggt gtaacattaa 60
 accataacct aatcagtggt ttcactatgc ttccacacta gccagtcttc tcacacttct 120
 totggtttca agtctcaagg cctgacagac agaagggtt ggagattttt tttctttaca 180
 attcagtcct cagcaacttg agagctttct tcatgttgct aagcaacaga gctgtatctg 240
 cagggttcgta agcatagaga cggtttgaat atcttccagt gatatcggtc ctaactgtca 300
 gagatgggtc aacaaacata atcctgggga catactggcc atcaggagaa aggtgtttgt 360
 cagttgtttc ataaaccaga ttgaggagga caaactgctc tgccaatttc tggatttctt 420
 tattttcagc aaacactttc tttaaagctt gactgtgtgg gcactcatcc aagtgatgaa 480
 taaatcatca aggggttgggt gcttgccttg gatttatata gagcttctt 529

<210> 52
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 52
 actttgccaa gcagtaaagg atccaggaga tagcactgga tgtggtgtca tgtcctgcaa 60
 acatgaacgt tttcacttca gcctggagat ctgcttcaga gaaatctttg gtgttttcgc 120
 ttttggcact caaaagtatg tccagaaaat cccagcgcct tttctgagta gtatcttggt 180
 ttagcttata ctttaagagac tccttcgggt cctggattac tttctctgtg aactgatgaa 240
 gttcttggtt aaatttagaa aagatttggc cttgagagct gaatttgaaa accaggtcgt 300
 tgtgatgtag aaaattgttc atgcgctggt tggagatttt gctaagggtt aacactgctt 360
 tcaggtatga gtccagggt 379

<210> 53
 <211> 380
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 260, 284, 285, 372, 377

<223> n = A,T,C or G

<400> 53

```
acttttatct taaaagggtg gtagttttcc ctaaaatact tattatgtaa gggtcattag 60
acaaatgtct tgaagtagac atggaattta tgaatggttc tttatcattt ctcttcccc 120
tttttggcat cctggcttgc ctccagtttt aggtccttta gtttgcttct gtaagcaacg 180
ggaacacctg ctgagggggc tctttccctc atgtatactt caagtaagat caagaatctt 240
ttgtgaaatt atagaaattn actatgtaaa tgcttgatgg aatnntttcc tgctagtgtg 300
gcttctgaaa ggcgctttct ccatttattt aaaactaccc atgcaattaa aaggtaacct 360
ggcgcgacca cnctaanggc                                     380
```

<210> 54

<211> 245

<212> DNA

<213> Homo sapiens

<400> 54

```
ggcggcgct tcaacttctt aacttccggt ccggctcgcc cagcgcgctg cgagtgtgtg 60
ccgaggtgca ggaggggcgc gcgtggatta atccaaaaga gggatgtaaa gttcacgtgg 120
tcttcagcac agagcgctac aaccagagt ctttacttca ggaaggtgag ggacgtttgg 180
ggaaatgttc tgctcgagtg tttttcaaga atcagaaacc cagaccaacc atcaatgtaa 240
cttgt                                             245
```

<210> 55

<211> 556

<212> DNA

<213> Homo sapiens

<400> 55

```
acagaagatg aataataatg aaaaactgtg attttttgac tatcacatac attgtgttaa 60
aaaacaggtg aatataatga ctattactgt taagaaagac aaggaggaaa actgtttcaa 120
tggtcaggtt taaatactaa gcacaaaaat ataacaaatt ctgtgtctac aataattttt 180
gaagtgtata caagtgcatt gcaaatgagc tctttaaaat ttaaagtcca tttccccttt 240
agccaagcat atgtctacat ttatgatttc tttctcttat tttaaagtct cttctggttt 300
agttttttta aaagtttcat catggctgtc atcttggaa ctagcctcca gctcaaagct 360
gagacttcac gcatacatat tctcctttct ggttgcatct tcacctagtt tctccaagta 420
ttcagagtta aatagcacia cttcttttat atgttcaact ttgtccacat gtagtggcag 480
tgctgctgct tcagttaggt ttctcacaca cccttttct tctttcaaca gcagtcacca 540
aacgttcaca acacaa                                     556
```

<210> 56

<211> 166

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 36, 37, 58, 113, 118, 131, 133, 162

<223> n = A,T,C or G

<400> 56

```
atgggccctg attacatcat tatgaactac tcaggnaaac atcccaaata ccgacctngg 60
gaaagacttg gtccgagatg tgttcattca tacaggctac ctcttcagaa gcncaggnc 120
caagagctgc ntnatcacct acctggccca ggtggacccc anaggg                                     166
```

<210> 57
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 7, 452
 <223> n = A,T,C or G

<400> 57
 acatccnecat gttcctccaa atgacgtttg gggtcctgct tgccaacatt ctttattgcc 60
 agctgttcag gtgtcatctt atcttcttct tctacagcct tattgtaatt cttggctaatt 120
 tccaacatct cttttaccac tgattcattg cgtttacaat gtccactgta gtcctgaagt 180
 gtcaaacctt ccatccaact cttcttatgc aaatttagca acatcttctg ttccagttca 240
 tttttccgat agttaatagt aatggagtaa taatgtctgt ttagtccatg aattaatgcc 300
 tggatagatg gcttggttaa gtgaccaga ttcgaagttg tttgtcttgg ttcatgtcct 360
 aagaccatca tattagcatt gatcaatctg aaggcatcaa taacaacctt tcctttttaca 420
 ctctgaatgg gatccacaac cactgccaca gntctctccg ataaggcttc aaagc 475

<210> 58
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 7, 397
 <223> n = A,T,C or G

<400> 58
 actgttnatg tgctacttgc atttgteect cttcctgtgc actaaagacc ccaactcactt 60
 ccctagtgtt cagcagtgga tgacctctag tcaagacctt tgcaactagga tagttaatgt 120
 gaaccatggc aactgatcac aacaatgtct ttcagatcag atccatttta tccctccttgt 180
 tttacagcaa gggatattaa ttacctatgt tacctttccc tgggactatg aatgtgcaaa 240
 attccaatgt tcatgggtctc tccctttaaa cctatattct acccctttta cattatagaa 300
 aggaatgctg gaaaccaga gtccttctct tgggactcct aatgtgtatt tctaattatc 360
 catgactctt aatgtgcata ttttcaattg cctaattngat ttcaattgtc taagacattt 420
 caaatgtcta attggggaga actgagtctt ttatatcaag ctaatatcta gctttttatat 480
 caagctaata tcttgacttc tcagcatcat agaagggggt 520

<210> 59
 <211> 214
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 34, 120, 153, 159, 171, 179, 184, 194, 197
 <223> n = A,T,C or G

<400> 59
 ctggcaggaa atgcatcaaa agacttaaag gtanagcgta ttaccctctg tcaattgcaa 60

```

cttgcctatc gtggagatga agaattggat tctctcatca aggctacaat tgcctggggg 120
ggtgtcattc cacacatcca caaatctctg atngggaana aaggacaaca naagactgnc 180
taanggatgc ctgnatncct tggaatctca tgac                                     214

```

```

<210> 60
<211> 360
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 33
<223> n = A,T,C or G

```

```

<400> 60
gcatacaaca tggcagcagg gcctcgggaa gangggtagg aggaccgagc agcattctct 60
gtagaggaag acaggaaagg agaccctctt ggcacacatt tatggagggt tgtccctgaa 120
gagaagggca ggtgggagag gttccctgtt acttaagaga aggcaccagt ggcaaagagc 180
acaatgaaga ggatgatgat aaaaacaatc acgcagataa ggacaatcat cttcacgttc 240
ttccaccaga attttcgagc caccttctgc gatgtcgtct tgaagtgtc agatgtggct 300
tccagatcct ctgtcttgtt gcggagatgt tccaagtttt cccccgggc caggatccgc 360

```

```

<210> 61
<211> 391
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 2, 56, 60, 92, 135, 176, 264, 308, 323, 345, 377, 378
<223> n = A,T,C or G

```

```

<400> 61
tntgggatcg tactcgatta aacagagcca ctttgttcc tgaggcaatg cataantcan 60
catttttcaa tgactgttc tttttggaag gnttgagat gacttttatc cgcttgctga 120
ggaacacacc aatgncatca ctgttgccat agaacatctt tacagacaac atgaantgct 180
ttcgttgctc tgagtcagat atatacaatg ttttggtgtg gcaatagttc tttccttcca 240
agtttagctg ctgcatttct tggncactat ttcctatccc aataaatgca cacggttgag 300
actcttgntc agaacaacca tcncgttcca tttgttcttt tttntcttc catccactgc 360
ccataagata tacacannga ggtgggcaaa a                                     391

```

```

<210> 62
<211> 324
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 223, 291, 302, 304, 316, 317
<223> n = A,T,C or G

```

```

<400> 62
acaattttat tttaacagat ttcaagagtc cattttttta aaaatgagca ataaagaacc 60

```

```
tctatcagtg agacttctca ttttatagca aatacatttt tgcagcttaa attttcttga 120
attcatatac gcttctgtca ttttaacaaa cttccagaga aaactggtct ctatataatt 180
aagtaacaaa tttgacaaaa tacatatatta tacatatata ganctctaata ataaatatta 240
aatttgaaaa aatcaaatgt gaagcagaaa ctgctataca agtatattgt ntaatatcta 300
ttnnatacat taaagnnttc cgga                                     324
```

```
<210> 63
<211> 360
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 6, 7
<223> n = A,T,C or G
```

```
<400> 63
acaganncct tgaatatggt gtggttcctt cattatggcc cttcattccc ttctgtgtta 60
atagtaaagc atgttgcccta ataactacaa ccctgaccaa atttgggcct ggatctcatg 120
ggtcacgtgg agtttttaaat acgattttta atttacttgg gtaattgagc tgaatcttta 180
gttttcagat tactttttta aacagatagg ctcttagaac aaattattaa aaacataata 240
ccccattgga ggggaatctg gattaactac ccactgttcc ccccccccc aacttttgaa 300
aaattttggc catatagaat gcatgaaaaa tcaggtatga tcttatgagg actttatagt 360
```

```
<210> 64
<211> 491
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 1, 403, 443, 464
<223> n = A,T,C or G
```

```
<400> 64
nctgactgtg atgtccactt gttccctgat ttttacacat catgtcaaag ataacagctg 60
ttcccaccca ccagttcctc taagcacata ctctgctttt ctgtcaacat cccatttttg 120
ggaaaggaaa agtcatatth attcccgcac ccagtttttt taacttggtc tcccagttgt 180
ccccctcttc tctgggtgta agaagggaag ttggaaaaaa attatatata tattctcctt 240
ttaatggtgg ggggctactg gagaggagag acagcaagtc caccctaact tgttacacag 300
cacataccac aggttctgga attctcatct tcgaacctag agaaataggt gctataaaca 360
gggaattaag caaaatgctg gatgctatag atcttttaat tgncttaatt ttttttctat 420
tattaaacta caggctgtag atntcttagg tctcacagaa ctntatcat tttaaactga 480
cttgatatatt t                                     491
```

```
<210> 65
<211> 484
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 319
```


<223> n = A,T,C or G

<400> 65

```
accagcacac cggcgccgct ctggactgcg ccttctacga tccaacgcat gcctggagtg 60
gaggactaga tcatcaattg aaaatgcatg atttgaacac tgatcaagaa aatcttggtg 120
ggacccatga tgcccctatc agatgtgttg aatactgtcc agaagtgaat gtgatgggtca 180
ctggaagttg ggatcagaca gctaaactgt gggatcccag aactccttgt aatgctggga 240
ccttctctca gcctgaaaag gtatataccc tctcagtgtc tggagaccgg ctgattgtgg 300
gaacagcagg ccgcagagng ttggtgtggg acttacggaa catgggttac gtgcagcagc 360
gcagggagtc cagcctgaaa taccagactc gctgcatacg agcgtttcca aacaagcagg 420
gttatgtatt aagctctatt gaaggccgag tggcagttga gtatttggac ccaagccctg 480
aggt
```

<210> 66

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1

<223> n = A,T,C or G

<400> 66

```
ngaagaaagt atgggtggag gtgaaggtaa tcacagagct gctgattctc aaaacagtgg 60
tgaaggaaat acaggtgctg cagaatcttc ttttctcag gaggtttcta gagaacaaca 120
gccatcatca gcatctgaaa gacaggcccc tcgagcacct cagtcaccga gacgcccacc 180
acatccactt cccccaagac tgaccattca tgccccacct caggagttgg gaccaccagt 240
tcagagaatt cagatgaccc gaaggcagtc tgtaggacgt ggccttcagt tgactccagg 300
aataggtggc acgcaacagc atttttttga tgatgaagac agaacagttc caagt 355
```

<210> 67

<211> 417

<212> DNA

<213> Homo sapiens

<400> 67

```
acgacacccc tcaagaggtg gccgaagctt tcctgtcttc cctgacagag accatagaag 60
gagtcgatgc tgaggatggg cacagcccag gggaacaaca gaagcggaag atcgctcctg 120
acccttcagg ctccatgaac atctacctgg tgctagatgg atcagacagc attggggcca 180
gcaacttcac aggagccaaa aagtgtctag tcaacttaat tgagaaggtg gcaagttatg 240
gtgtgaagtc aagatatggt ctagtacat atgccacata ccccaaaatt tgggtcaaag 300
tgtctgaagc agacagcagt aatgcagact ggtcacgaa gcagctcaat gaaatcaatt 360
atgaagacca caagttgaag tcagggacta acaccaagaa ggccctccag gcagtgt 417
```

<210> 68

<211> 223

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 29

<223> n = A,T,C or G

<400> 68

```
cacttgcaag cttgcttaca gagacctgnt aaacaaagaa cagacagatt ctataaaatc 60
agttatatca acatataaag gagtgtgatt ttcagtttgt ttttttaagt aaatatgacc 120
aaactgacta aataagaagg caaaacaaaa aattatgctt ccttgacaag gcctttggag 180
taaacaaaat gctttaaggc tcctggtgaa tgggggttgca agg 223
```

<210> 69

<211> 396

<212> DNA

<213> Homo sapiens

<400> 69

```
accttttttc tctccaaagg aacagtttct aaagttttct ggggggaaaa aaaacttaca 60
tcaaatttaa accatatggt aaactgcata ttagttgtgt tacacaaaaa aattgcctca 120
gctgatctac acaagtttca aagtcattaa tgcttgatat aaatttactc aacattaaat 180
tatcttaaat tattaattaa aaaaaaaact ttctaaggaa aaataaaca atgtagaccg 240
tgattatcaa aggattatta aagaa-cttt accaaaaatt tcaaccctac aacctaaaaac 300
cgcaaatttc tttttttaa catcagaaaa taactottgg ttcattactt atgacccaaa 360
gtttttatct cactattcaa tatctgaaaa gtatca 396
```

<210> 70

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6, 7, 38, 327, 367

<223> n = A,T,C or G

<400> 70

```
acccannccc acccaggcaa acagctccga catgtttngt aagtgagaca agccagtgca 60
agtttttttt tttttttcct ttttc-tttt ttgtctttt gcttaccttc ttgcttaatg 120
gaattgttat ggctaagcac atagaaggcc aaaaaaggag tttttcaaac ccagcaaatc 180
aagtgccttg attctgaact gccaaaagaa aactgcactt cccctcttaa gtaaaacgaa 240
atgagtttct taggtaaatg tattcatcag cccagataaa aaaaaaacca gttatgtgag 300
cgttagtcac tgctcatttc caggaanac aaacaaaata ccagcccagc cagactcaca 360
tgtgggnata tatatataaa gcaagagagc cacaccaca ag 402
```

<210> 71

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 229, 292, 382

<223> n = A,T,C or G

<400> 71

```
accagtagag agtggccctt gcaggccact tataaacagg aagctctctc ctgagctcac 60
tgatcaacct gcccttgga cagacagaac ctaccagaaa agaacaagta caaaacacta 120
tcattatctg ttttctcaag acagtcccaa atgtccttgt gcgatcgcca caaactcagt 180
```

```

gattggccca agtcattccc ggggtgccata aacagtaact ggtgtgcanc attagaacaa 240
ggggacacgg ctttgattct cttctgagca acatgaactg ggatttctgc cccccggat 300
ctcggctgcc acctccgaag aagtcgtgac cagccacctc cacagtaaaa gattcctccc 360
gtgagtatga tttggaatgc gncct 385

```

```

<210> 72
<211> 538
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 326
<223> n = A,T,C or G

```

```

<400> 72
caattaatta acagaggtat aattgtctca ctttcagaag tgatcattta tttttattta 60
gcacaggtca taagaaaaat atatagaaaa ataatcaatt tcatatataa aaggattatt 120
tctccacctt taattattgg cctatcattt gttagtgtta tttggtcata ttattgaact 180
aatgtattat tccattcaaa gtctttctag atttaaaaaat gtatgcaaaa gcttaggatt 240
atatcatgtg taactattat agataacatc ctaaaccctc agtttagata tataattgac 300
tgggtgtaat ctcttttgta atctgntttg acagatttct taaattatgt tagcataatc 360
aaggaagatt taccttgaag cactttccaa attgatactt tcaaacttat tttaaagcag 420
tagaaccttt tctatgaact aagtcacatg caaaactcca acctgtaagt atacataaaa 480
tggacttact tattcctctc accttctcca ggccctaggaa tattcttctc tggagccc 538

```

```

<210> 73
<211> 405
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 9, 39
<223> n = A,T,C or G

```

```

<400> 73
actttatnna tggaattttc ttctacttgt atccatttnc cggggcttat ggaccattc 60
atactctcca tatttagaat caaagggtcc tttctgaaga gaccttaatt ttaaggtaaa 120
acgtgggtcca agttcctgaa ttcccacttt cttttcactc ctgaatatgt atctgtgaaa 180
tctgaagaat atgtaatccc gttgattgtg gaatgtggca acctgccttc cgataaattg 240
aggattatga ggaaagagag atgcaaacat acgtccaatt gaatgaccca gccgtgttgt 300
aaaattattc agaattattt caggtatgtg ttctgtgggg tcttgcctc ttctcttaat 360
ttctttacga agacgaacac tgctcatttt aaaatgagca gttgg 405

```

```

<210> 74
<211> 498
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 34
<223> n = A,T,C or G

```

<400> 74

```

tgagccctgc acctgtttcc tgcaccccct gccnactggt tctatggcca caaggagttt 60
taccagtaaa aggagtttga ggtgtattat aagctgatgg aaaaataccc atgtgctgtt 120
cccttggtgg ttggaccctt tacgatgttc ttcagtgtcc atgacccaga ctatgccaag 180
attctcctga aaagacaaga tcccaaaaagt gctgttagcc acaaaaatcct tgaatcctgg 240
gttggctgag gacttgtgac cctggatggt tctaaatgga aaaagcacccg ccagattgtg 300
aaacctggct tcaacatcag cattctgaaa atattcatca ccatgatgtc tgagagtgtt 360
cggatgatgc tgaacaaatg ggaggaacac attgcccata actcacgtct ggagctcttt 420
caacatgtct ccctgatgac cctggacagc atcatgaagt gtgccttcag ccaccagggc 480
agcatccagt tggacagt                                     498

```

<210> 75

<211> 458

<212> DNA

<213> Homo sapiens

<400> 75

```

agccttgac atgatactca gattcctcac ccttgcttag gagtaaaaca atatacttta 60
caggggtgata ataatctcca tagttatttg aagtggcttg aaaaaggcaa gattgacttt 120
tatgacattg gataaaatct acaaatcagc cctcgagtta ttcaatgata actgacaaac 180
taaattatct ccctagaaaag gaagatgaaa ggagtggagt gtggtttggc agaacaactg 240
catttcacag cttttccagt taaattggag cactgaacgt tcagatgcat accaaattat 300
gcatgggtcc taatcacaca tataaggctg gctaccagct ttgacacagc actgttcata 360
tgcccaaaaca actgtggtta aaaacacatg taaaatgctt tttaacagct gatactgtat 420
aagacaaagc caagatgcaa aattaggctt tgattggc                                     458

```

<210> 76

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 255, 283

<223> n = A,T,C or G

<400> 76

```

accttatacc aaaanaatgc ttattccaaa atattttttg tagctagtag ttctttcctt 60
ggaggtaaaag aaaatacacc caaactttta attaccagga ttcagaatat ttaagagaac 120
aatttttagtt aagaatcaaa tatactgaga ttcaaagagg ggaaaaaaag gaaatattat 180
agaagacaaa ggtcaaactg gcattccaga tctggagcaa ttttgtaaag caggaaaaca 240
actatgacaa tctgnagctt cttagatcat tatagtgaat gtncccatct actataaggg 300
tttttataat ggtgtttcct aaataaagga acataaatgt                                     340

```

<210> 77

<211> 405

<212> DNA

<213> Homo sapiens

<400> 77

```

actccatttg tggaactcgt gtcggagtct ggtaaacagc cgaatgtctt cctcccctac 60
agtttcctct ccttgcatga gagcagtgat gtcctgatta aaggcattaa ttttatctat 120
caggaagaac attttttcat tttcgcttc cggtatgtcg acaccatact tttgtagctc 180

```

```

ctctgttatt ctctggtgag tctccttgat ttgattttct aacaggggca gagattttaca 240
gatatgtgtg atgagctcgc tggtaagttt ttctgccagg cagggaaccg tggcctttcc 300
ttcctccagc agatccctga aatatgggtg gttctcaaag aagatcttct ctctctgcag 360
ggcttcggac aggctcagct ggtcctggat ctctgctgg ccccg 405

```

```

<210> 78
<211> 410
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 10
<223> n = A,T,C or G

```

```

<400> 78
acagcagntn tagatggctg caacaacctt cctcctaccc cagcccagaa aatattttctg 60
ccccaccca ggatccggga ccaaaataaa gagcaagcag gcccccttca ctgagggtgct 120
gggtagggct cagtgccaca ttactgtgct ttgagaaaga ggaaggggat ttgtttggca 180
ctttaaaaat agaggagtaa gcaggactgg agaggccaga gaagatacca aaattggcag 240
ggagagacca tttggcgcca gtcccctagg agatgggagg agggagatag gtatgagggt 300
aggcgctaag aagagtagga ggggtccact ccaagtggca gggtgctgaa atgggctagg 360
accaacagga cactgactct aggtttatga cctgtccata cccgttccac 410

```

```

<210> 79
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 35, 36, 474, 479
<223> n = A,T,C or G

```

```

<400> 79
acagtgaaaa acaaactaat ataaagcatt ccagnngata aaaacctcct caggcttatg 60
gtttgttttc caaggaaatt atgtttcaat gtaaagtttg aaatactcca gacatacatt 120
ccatgtaggt tttgggtgcc aatgttaaaa ttcaaattt tgcattgcaag gcttagcaaa 180
gaaacactgg cagaattcca gcatttgcaa aattctaagt tttggtgaat attgtaaata 240
ttacaattgg tattagaaaag ccatgatgaa tccagaatta agagaaaacc catttcataa 300
atattttgtt tgattaaaaa ataccaggct taccatgttc taaataacac aagaaaatat 360
ctttaaaaaa aaaaggactg caatttaaca gtaatctgta tatcttttagc tgccattaaa 420
aaaagaaaaa agaacaacca aaaacaatga aaatgttaca actggtataa agtnaccna 480
tgatgctccc cttacgagaa aacaaaactg tc 512

```

```

<210> 80
<211> 174
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 42, 49, 66, 68, 143, 152, 162
<223> n = A,T,C or G

```

<400> 80

```
tgattcccca gacctcaaat gggctaacac gcttctcttc tncagcagnc ttctgtgccg 60
tgaagntncc ttccagattg gtacatggaa ctgaaaacaa agggagcctc agctggattg 120
aatctggag catgccacaa agncttgac tnggcatttt cnagaagaac ccat 174
```

<210> 81

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 32, 133, 219, 234, 239, 241, 272

<223> n = A,T,C or G

<400> 81

```
ttgcaacaag cacattaaat taaggcctgc tngaatttct tcctcccca tcaaggtaaac 60
tttctttgcc aataaagttt gaggaggtgg catttgaaaa tctctttaaa aaagaagtct 120
tcatctattc acnagaaaac tcaaaaataa ttttcattat caacacacaa actaactcaa 180
tctctgcttt aagtttctat tggccaattt ttctgattna tacgagaatt attntcagnt 240
ntagaaaatc ctggtctttg gtcattacaa gntg 274
```

<210> 82

<211> 101

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 25, 26, 44, 74, 75, 84, 87, 101

<223> n = A,T,C or G

<400> 82

```
atggagaaga tcgaacctga gcctnntgag aattgcctgc tacngcctgg cagccctgcc 60
cgagtggccc agcnnctatt cacnagntgg gcatgatttg n 101
```

<210> 83

<211> 182

<212> DNA

<213> Homo sapiens

<400> 83

```
tattatgggg aaagataact gagaataaag ctatcatgca gatatttgca gagataaaag 60
taatgcagat actgagtgga gttttgatca aactatgctt gaaagccact ctaccactag 120
ttacacaaac caataatttc ccttcgcagt ggaagtcagc ttgagttttt tcaggtgttt 180
tt 182
```

<210> 84

<211> 229

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 163, 191, 203, 222, 223, 228
 <223> n = A,T,C or G

<400> 84
 actgtttgta gctgcactac aacagattct taccgtctcc acaaagggtca gagattgtaa 60
 atgggtcaata ctgacttttt ttttattccc ttgactcaag acagctaaact tcattttcag 120
 aactgtttta aacctttgtg tgctgggtta taaaataatg tngttaatcc ttgttgcttt 180
 cctgatacca nactgtttcc cgnggttggt tagaatatat tnngttcng 229

<210> 85
 <211> 500
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9, 44, 494
 <223> n = A,T,C or G

<400> 85
 ggggagtang tgatttatta aagcaagacg ttgaaacctt tacnttctgc agtgaagatc 60
 aggggtgtcat tgaaagacag tggaaaccag gatgaaagtt tttacatgtc acacactaca 120
 tttcttcaat attttcacca ggacttccgc aatgaggctt cgtttctgaa gggacatctg 180
 atccgagcat ctcttcactc ctaacttggc tgcaacagct tccagagggg catcaaattt 240
 ggcaagactt aacttgaaca gaggttcact aatgaagaag aagtctaaca gctcagaaac 300
 aagagctggg cagaactcgg cattggcctg gtagcagcag agggccagcg tgaccagcag 360
 gagacacacc gacagcttca tgggtgcttg ttttgctgtg agctcagctt tcacaaacaa 420
 tgagtgtatt ggactccacc ccaggagcct gtggagctgc agagcccagg gctatttgta 480
 cctgcccggg cggncgctcg 500

<210> 86
 <211> 323
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 90, 93, 132, 180, 266, 270, 275, 279, 305, 316
 <223> n = A,T,C or G

<400> 86
 ccgccagtgt gctggaattc gcccttgccg cccgggcagg tactcagaag tcatttgta 60
 tttacaattg ggtttgtgtg ggatgggatn tanggcggat gagccagtgc ttttgcaatg 120
 aagatgcaat antcattgtc ctctccact gtctctctt tcctcacccc atggcagctn 180
 tcattgaccca ttcccaaagg gtccaccgag tcctgaactc agcttcatca ccaacattcc 240
 tcgccttcag ttgaattcaa cactgncaan ggagnagang caaagacttg ggtcagggag 300
 agggnggggaa acacanaaca aac 323

<210> 87
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 87

```
gcagcattga gccaccccct tggcaggcga tacggcagct ctgtgccctt ggccagcatg 60
tggagtggag gagatgctgc cctgtgtggt ggaacatcct ggggtgaccc ccgacccagc 120
ctcgctgggc tgtccctgt cctatctct cactctggac ccagggtga catcctaata 180
aaataactgt tggattagac aaaaasaaaa aaaaaaaaaa aaaaaaaagg 230
```

<210> 88

<211> 249

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 31, 199, 244

<223> n = A,T,C or G

<400> 88

```
atgtgaccag gtctaggtct ggagtttcag nttggacact gagccaagca gacaagcaaa 60
gcaagccagg acacaccatc ctgcccagc cccagcttct ctctgcctt ccaacgccat 120
ggggagcaat ctgagcccc aactctgcct gatgccctt atcttgggcc tcttgtctgg 180
aggtgtgacc accactcctt ggtctttggc ccggcccat ggatcctgct ctctggaggg 240
ggtntagat 249
```

<210> 89

<211> 203

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 36, 42, 166, 167, 187

<223> n = A,T,C or G

<400> 89

```
tgtttacact gtcaaggatg acaaggaaaag tgttcntatc tntgatacca tcatcccagc 60
tgttcctcct cccactgacc tgcgattcac caacattggt ccagacacca tgcgtgtcac 120
ctgggtcca ccccatcta ttgat-taac taacttcctg gtgcgnnact cacctgtgaa 180
aatgangaa gatgttgag agt 203
```

<210> 90

<211> 455

<212> DNA

<213> Homo sapiens

<400> 90

```
ctctaagggg gctggcaaca tggctcagca ggcttgcccc agagccatgg caaagaatgg 60
acttgtaatt tgcaccttg tgatcacctt actcctggac cagaccacca gccacacatc 120
cagattaaaa gccaggaagc acagcaaacg tcgagtgaga gacaaggatg gagatctgaa 180
gactcaaatt gaaaagctct ggacagaagt caatgccttg aaggaaattc aagccctgca 240
gacagtctgt ctccgaggca ctaaagttca caagaaatgc taccttgctt cagaagggtt 300
gaagcatttc catgaggcca atgaagactg catttccaaa ggaggaatcc tggttatccc 360
caggaactcc gacgaaatca acgccctcca agactatggt aaaaggagcc tgccagggtg 420
caatgacttt tggctgggca tcaatgacat ggtca 455
```


<210> 91
 <211> 488
 <212> DNA
 <213> Homo sapiens

<400> 91
 actttgcttg ctcatatgca tgtagtcact ttataagtca ttgtatgtta ttatattccg 60
 taggtagatg tgtaacctct tcaccttatt catggctgaa gtcacctctt ggttacagta 120
 gcgtagcgtg gccgtgtgca tgctctttgc gcctgtgacc accaccccaa caaacatcc 180
 agtgacaaac catccagtgg aggtttgtcg ggcaccagcc agcgtagcag ggtcgggaaa 240
 ggccacctgt cccactccta cgatacgcta ctataaagag aagacgaaat agtgacataa 300
 tataattctat ttttatactc ttcctatatt tgtagtgacc tgtttatgag atgctggttt 360
 tctacccaac ggccctgcag ccagctcagc tccaggttca acccacagct acttggtttg 420
 tgttcttctt catattctaa aaccattcca tttccaagca ctttcagtc aatagggtga 480
 ggaaatag 488

<210> 92
 <211> 420
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 30, 33, 34, 204, 225, 319, 372, 383, 385, 390, 414, 416, 418
 <223> n = A,T,C or G

<400> 92
 tctccggcag gctctgcccc ggtcgtagcn agnnaaccta taatcctgac cttttttgta 60
 gacaaccttg gtgctgaggt taactccatc cattgtagtg gcctgtatat caatgggacg 120
 attgcatatt tttcctgggt gagctttcca gaggtctgaa attttctccc caccttttagt 180
 ctgagatact ttatcatgat cganccactc cgtccactcc acgtnttgaa cccactcact 240
 ggacaaagaa acattgaaat attcgccatg ctctgtctgg aacaatttga ataccggggc 300
 agcagcagag cctcgatgnc caggatattc aatatgggtc tccactgaag atgatggatt 360
 tcctttcaca gntagaaaac ttncnagggn gtctaaatcc aaggtgcagg aagngngngc 420

<210> 93
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 11, 53, 168, 197, 231, 237
 <223> n = A,T,C or G

<400> 93
 accacgaatt ncaacatcca gatccaccac tatcctaatt ggattgtaac tngnaactgt 60
 gccgggtccc tgaaagccga ccaccatgca accaacgggg tgggtgcacct catcgataag 120
 gtcattctcca ccatcaccaa caacatccag cagatcattg agatcganga caccttttagt 180
 acccttcggg ctgctgnggc tgcattcagg ctcaacacga tgcttgaagg naacggnncg 240
 t 241

<210> 94

<211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9
 <223> n = A,T,C or G

<400> 94
 actctattnt aattctgcct ttttatactt aattctaaat ttttccctc taattttacaa 60
 caaattttgt gattttttata agaattctatg cctccccaat tctcagattc ttctcttttc 120
 tccttttattt ctttgcttaa attcagtata agctttcttg gtatttttagg cttcatgcac 180
 attcttattc ctaaaccacca gcagttcttc agagacctaa aatccagtat aggaataact 240
 gtggttagttc ttgaaaaagc attaaagaca tttttccctg aaacatacag aacatgtcat 300
 gccaaatctc ttgtttacat aataaactgg taataccggg gaattgcaca tacagatttt 360
 atctccaaga tagaataact taaatattaa aacgt 395

<210> 95
 <211> 304
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 15, 45, 47, 180, 216, 296
 <223> n = A,T,C or G

<400> 95
 cgagggtacag tgatngctcc ccctgggcaa tacaatacaa gaacngnggg ttttgtcaaa 60
 ttggaacaag gaaacagaac cacagaaata aatacattgg ttaacatcag attagttcag 120
 gttacttttt tgtaaaagtt aaagtagcag gggacttctg tattatgcta actcaagtan 180
 actggaatct cctgttttct tttttttttt taaatnggtt ttaatttttt ttaattggat 240
 ctatcttctt ccttaacatt tcagttggag tatgtagcat ttagcaccac tggctnaaac 300
 ctgt 304

<210> 96
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 96
 aactgtcag cagggactgt aaacacagac aggggtcaaag tgttttctct gaacacattg 60
 agttggaatc actgtttaga acacacacac ttactttttc tgggtctctac cactgctgat 120
 attttctcta ggaaatatac ttttacaagt acaaaaaata aaaactctta taaattttcta 180
 tttttatctg agttacagaa atgat-actg aggaagatta cttagtaatt tgtttaaaaa 240
 gtaataaaaat tcaacaaaca ttgtctgaat agctactata tgtcaagtgc tgtgcaaggt 300
 attacactct gtaattgaat attattcctc aaaaaattgc acatagtaga acgctatctg 360
 ggaagctatt tttttcagtt ttgatatttc tagcttatct acttccaaac taatttttat 420
 ttttgctgag actaatctta atcattttct ctaatatggc aaccattata accttaattt 480
 attattaacc ataccctaag aagtag 506

<210> 97
 <211> 241

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 144, 165, 167, 171, 187, 214, 215, 228, 239
 <223> n = A,T,C or G

<400> 97
 attttctttt taattacttt agagagctag ggatgcaaat gttttcagtt agaaagcctt 60
 tatttacttt tggaaattga acaagaaatg catctgtctt agaaactgga gattatttga 120
 tgttaggtaa aacatgtaat tgtntctctg gcaaatttgt atcantnatt ngaaaatgag 180
 atattangaa aaaccaattc ttcttaaate tagnnatctt ttctttanaa gaacattana 240
 t 241

<210> 98
 <211> 79
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9, 20, 22, 24, 33, 48, 54, 61
 <223> n = A,T,C or G

<400> 98
 ggcaaacana cttatgctgn ancnggggtt tancaaggtt ttcaaagnaa aaanccatt 60
 ngactttatg gaaaatatt 79

<210> 99
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 27, 29, 32, 68, 293
 <223> n = A,T,C or G

<400> 99
 ccacatatgt aaaaccagaa aagaccngnt tngcactttc actgagagtt gagtcatctg 60
 ggctgtcnac aggtgtctga cgtgtaaaact tggaatcaaa ctgacttaca tcctcttcag 120
 attgcaacag aggttttaaag gggggctcca ctttcgagc cagaagttct tcccagttaa 180
 tgtgtctaaa gaatggatga gcttgaactt ctccagcgtc cccaggacca gctcccagac 240
 gagaagcagc atttcttttc agcagctttt taagcagatc tctggcttct tgngtgaggt 300
 agggaggcaa attgag 316

<210> 100
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 255

<223> n = A,T,C or G

<400> 100

```
accgctttca gaaagtttat atgggttatt cttcagcctc tcttttatgc ctttcgacct 60
ctgtttatca accccaaacc aattacgtat ctggaagtta tcaataccgt ggcacaggtc 120
acttttgaca ttttaattta ttactttttg ggaattaaat ccttagtcta catgttggca 180
gcatctttac ttggcctggg tttgcaccca atttctggac attttatagc tgagcattac 240
atgttcttaa agggncatga aacttactca tattatgggc ctctgaattt acttaccttc 300
aatgtgggtt atcataatga acatcatgat ttccccaaca ttcctggaaa aagtcttcca 360
ctggtgagga aaatagcagc tgaatactat gacaacctgc ctcactacaa tttctggata 420
aaagg                                           425
```

<210> 101

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 141

<223> n = A,T,C or G

<400> 101

```
actgaacttg gaatgtcaaa attctttatt atgatcttcc gagtgttgtc ctgagctttg 60
ttggccctca actgcaggca gagaaccagg agcagggtgg cagggctggc cctgaacagg 120
agctggagca agcgcattgct ngagaaaaca gaaggc                                           156
```

<210> 102

<211> 230

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 192, 194, 197, 214, 226, 227

<223> n = A,T,C or G

<400> 102

```
actccaggcc gggntcagg ttatcaaaaag tgcaggagct ctgatcagca tggaccactt 60
cttccaaaga atttccctgc tggccgtttg taggggttgt ggtaattcta taaccagtaa 120
tgtctggggg ggtgctcttc tcccaggaga ctgtgagcac tccagtgtca gggtttgcct 180
ccagatgcaa gntngtnggt ggagacaatg gtgncaccac tttgtnnaca 230
```

<210> 103

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 17, 21, 23

<223> n = A,T,C or G

<400> 103

```
actgtgaacc ctgnggnttc nangcgacct acctggagct ggccagtgt gtgaaggagc 60
agtatccggg catcgagatc gagtcgcgcc tcgggggcac aggtgccttt gagatagaga 120
taaatggaca gctggtgttc tccaagctgg agaattgggg ctttccctat gagaaagatc 180
tcattgaggc catccgaaga gccagtaatg gagaaaccct agaaaagatc accaacagcc 240
gtcctccctg cgtcatcctg tgactgcaca ggactctggg ttcctgctct gttctggggg 300
ccaaaccttg gtctcccttt ggtcctgctg ggagctcccc ctgcctcttt cccctactta 360
gtcctttagc aaagagaccc tggcctccac tttgccttt ggggt 404
```

<210> 104

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 340, 362, 366, 391

<223> n = A,T,C or G

<400> 104

```
accagggttat ataatagtat aacactgccca aggagcggat tatctcatct tcctcctgta 60
attccagtgt ttgtcacgtg gttgttgaat aaatgaataa agaattgagaa aaccagaagc 120
tctgatacat aatcataatg ataattattt caatgcacaa ctacgggtgg tgctgaacta 180
gaatctatat tttctgaaac tggctcctct aggatctact aatgatttaa atctaaaaga 240
tgaagttagt aaagcatcag aaaaaaaagt gggatttcct acaagtcagg acattctacg 300
tgactataat ataattctac agaaatttaa cattaatcn ttctaagatt taattcttag 360
antctnggta aacaaagtag ctctgtgga natgattggc atca 404
```

<210> 105

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 19, 250, 258, 289

<223> n = A,T,C or G

<400> 105

```
acagcagaag ccagtctang atggtgtgat tcaatttctg cctctagtat ttctttgtct 60
tgtttttcc tcaattttaga agtgagcatt gtgttctcag ctatcagaac ttttaagctgc 120
ccactatatt gagatgccct tttagctaatt gattcctctt tcagtttttag ggtcatctga 180
agttcagcat tcttttcttt taaaatctta atgtcctcaa agtatattt ttccttttcc 240
tggtattggn gtttcagngt ggctatttcc agtttttagca tggcaattnc ctttttcaac 300
atgcaatttt catgtaagag ataat 325
```

<210> 106

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13, 165, 312, 347, 384, 387, 396, 398, 419

<223> n = A,T,C or G

<400> 106

```
actgtcttca atnctatgcg tgcaggtgtc taccacaggc aaacagtttt ctccccattt 60
tgtagtaatg tgattttcct attagcaaaa agaggtcacc agcccttgta gacttaaggg 120
actcaagtca caggatgggg atttcctctt aatatttttt atttngttgt ttgaactctt 180
gatgcaacat tgtagagcag ggtgttcagg acctgctgtg cccaagggac tgataaagga 240
aaaagctcta tttattcttt ttgtgatttg atgcacagat gaaaaactta acacacaata 300
acagaagttg gncgttaata aatcacatcc taggctttca gcgcttncgt aagcagacga 360
catcttcagt tttctagctc ttgnagnttc aacacngnaa catcaatgat gcatatgtnc 420
agaatcagtt acaaagacca tccg 444
```

<210> 107

<211> 287

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 15, 23, 169, 184, 231, 248, 263, 286

<223> n = A,T,C or G

<400> 107

```
acctgcactc gnacntcagg cantaggcct ccacgtcatg gccaggcact ggcatgggct 60
ccaaccagtg caggcagttg cagtccttct gggatacatt ctggttgtaa atgtgcccac 120
tgatgtttct ataaggtggg acagatgcat ttgcaccgga tatcttcana actcttggtg 180
gtncagctg ggggcaccaa caaacacccg accacagcca ccaaagataa nagcttcatg 240
cttatcangc ttgctgggcc agnaaagccg gacacctaca agcccnc 287
```

<210> 108

<211> 478

<212> DNA

<213> Homo sapiens

<400> 108

```
acatgtgcaa gaatttgga aagcagggca ttttcctca tctctcctag agggaatata 60
acagcatctg tctctactgg tccacactgg actgcagaca atgtcaaaac tctggatttg 120
gaatgcggct gatttccttt cccctttaag gagttttcca agaatttcat aaccatcagt 180
tgttatattt ccagcttcct tgatgtcttt ttctataatt tcatagcagt caatgtaaata 240
cttaacactt tttgaggtca ctacaatatg aaccttggtg aaacttccat aaaataatgt 300
ctttactttt tctgtgtcaa atgtaacagt ttgcacctcg cctcttggtat ccttggttaa 360
gaatgataac gtcttgctag aaggatctgc aatcactcca acttggtggtt tgtagtctct 420
gtctgtgatt tgccaaattg caaaagggc actgggagtt tctgggagaa gtctgaat 478
```

<210> 109

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 134, 201, 214, 309, 312

<223> n = A,T,C or G

<400> 109

```
gaatttttct tctanaataa gtattctgtt gacacagact attggtaaga ttttcaacat 60
aaggtaatgc taggactggc ctcttagcat gagttgtgag taaagatctg gtctgttggt 120
tctccaaaag aagnttctta ctgcttgtct ctcatgagtt ttctgtttct gctttctctt 180
tttcatattg atatatacgg ntttttaaatt ggtnattgta attaaatatc tcttcatttt 240
tctcttttag gagatgatgt tgcattttcc tctcaagaaa atgaatatca attgttatct 300
tgcttttgnt gncagcttcc ttatgtgcat gaactaattg ctgttgaagc cacatatattt 360
t                                                                 361
```

<210> 110

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 13, 16, 110, 142, 143, 150, 161, 192, 198, 217, 223,
244, 263, 274, 285, 287

<223> n = A,T,C or G

<400> 110

```
acataatgac tnncanagtg aagctgattg gctgcggttc tggagtaaata ataagctctc 60
cgttcctggg aatccgcact acttgagtca cgtgcctggc ctaccaaata cttgccaaaa 120
ctatgtgcct tatccacact tnnaatctgn ctctcatatt ntcagctgtt ggatcagaca 180
atgacattcc tntagatntg gcgatcaagc attccanacc tnggccaaact gcaaacggtg 240
cctncaagga gaaaacgaag gcnccaccaa atgnaaaaaa tgaangnccc ttgaatgtac 300
taaaa                                                                 305
```

<210> 111

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 341, 369

<223> n = A,T,C or G

<400> 111

```
cggggggccag ccggggggtat tcagccatcg atcaaactca aaacctggaa tgatatccac 60
tctctttttc ttaagctcag ggaaatattc caagtagaag tccagaaagt catcggtctaa 120
gatgcttcgg aatttgaatt catgcacata ggccttgaga aaactgtcaa actgatctct 180
atcacccacc aagtgggcca ggtatgagac aaagcagaaa cctttctcgt aggggggtctc 240
attataggtg tcgtccgggt caacgcctgg ttcaatcttc acgcggagct tgttgagtg 300
gttttctctc ccagtgatgt ccatgtgctg acgcagcaga ncccgccccg ttgcagcctc 360
caagcaggng t                                                                 371
```

<210> 112

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 16, 25
 <223> n = A,T,C or G

<400> 112
 acatcttagg ttttnttcc ttantgtga agaggcgttt ccaccaaccc acagctctgc 60
 gtcgagtttt tactagattg ctgcaaattt catggaatct ttgctgttgt tcagtgggtcc 120
 atttattgga gccaaaaatt ctaggggcgt agaattgggaa caaggtagtc agccaagcac 180
 aaaaacataa caaacagga aacgcgggac agaacagatg gatctagata gtagataatc 240
 agaaacacca aagaaaccac acccatgatg gcaggtggaa accaggtctt ttctcatcgg 300
 aggactttat cagccatcag catcacttct ccccatcctt gcagctgttc ttccagactt 360
 gcagtctctg cagccagcag gttgggtgct gcgattacct ccctccgcca tcgtctcggg 420
 gatgcagtct ctacaagcgc agggcacctc cccaacgagt 460

<210> 113
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 113
 gagaagacag cagagctgct ttccgcctct ttgagaccaa gatcacccaa gtctctgcact 60
 tcaccaagga tgtcaaggcc gctgctaatac agatgcgcaa ctctctgggt cgagcctcct 120
 gccgccttag cttggaacct gggaaagaat atttgatcat gggcttagat gggggccacct 180
 atgacctcga gggacacccc cagt 204

<210> 114
 <211> 137
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 46, 52, 131
 <223> n = A,T,C or G

<400> 114
 accgcaagaa atgggacagc aacgtcattg agacttttga catcgncgc tngacagtca 60
 acgctgacgt gggctattac tcctggaggt gtcccaagcc cctgaagaac cgtgatgtca 120
 tcaccctcgc ntccctg 137

<210> 115
 <211> 278
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13, 124, 147, 170, 209, 234
 <223> n = A,T,C or G

<400> 115
 gcggggcggt ttntggactc gctcatttac agagcatgcg tggttttcac ccttggcatg 60
 ttctccgccg gcctctcgga cctcaggcac atgcgaatga cccggagtgt ggacaacgtc 120
 cagntcctgc cttttctcac cacggangtc aacaacctgg gctggctgan ttatggggct 180
 ttgaagggag acgggatcct catcgtcanc aacacagtgg gtgctgcgct tcanacctg 240

tatatctttg gcatactctgc attactgccc tcggaagc 278

<210> 116
 <211> 178
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 12, 22, 81, 96, 149, 165, 171, 176, 177
 <223> n = A,T,C or G

<400> 116
 acaccgtcat angtcaaaag tncagtgtctg gccatcttgc atcaaagtgt ctttaaggcag 60
 tgactgggcta tcaaccacag nttctgtctc ccagntgca aacacaggat ccatgcaaca 120
 gttctgagac catacactta gaaaccacng ggagatgcgg atcanatgca naactnnc 178

<210> 117
 <211> 360
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13
 <223> n = A,T,C or G

<400> 117
 actccccaat ggnggattta ttactattaa agaaaccagg gaaaatatta attttaatat 60
 tataacaacc tgaaaataat ggaaaagagg tttttgaatt ttttttttaa ataaacacct 120
 tcttaagtgc atgagatggg ttgatgggtt gctgcattaa aggtatttgg gcaaacaaaa 180
 ttggagggca agtgactgca gttttgagaa tcagtittga ccttgatgat tttttgtttc 240
 cactgtggaa ataaatgttt gtaaataagt gtaataaaaa tccctttgca ttctttctgg 300
 accttaaatg gtagaggaaa aggctcgtga gccatttggt tcttttgctg gttatagttg 360

<210> 118
 <211> 125
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 23, 59, 61
 <223> n = A,T,C or G

<400> 118
 gogtcgtgct atgaccggac ttngtcttga aaggggatga cagcatggga ggcaatggnt 60
 ncacatgtaa accccacact gaaagacaag gcactctctc cacagcagcc ccaacaacta 120
 gccct 125

<210> 119
 <211> 490
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 104, 110, 117, 128, 142, 144, 157, 161, 223, 230, 247, 465, 484

<223> n = A,T,C or G

<400> 119

```
nacaaagaaa agcaaaaaga atttacgaag attgtgatct cttattaaat caattggttac 60
tgatcatgaa tgttagttag aaaatgttag gttttaactt aaanaaaatn gtattgngat 120
tttcaatntt atgttgaaat cngngtaata tcctgangtt nttttccccc cagaagataa 180
agaggataga caacctctta aaatattttt acaatttaat ganaaaaagn ttaaaattct 240
caatacnaat caaacaattt aaatatttta agaaaaaagg aaaagtagat agtgatactg 300
agggtaaaaa aaaattgatt caattttatg gtaaaggaaa cccatgcaat ttacactaga 360
cagccttaaa tatgtctggt tttccatctg ctagcatttc agacatttta tgttcctctt 420
actcaattga taccaacaga aatatcaact tctggagtct attanatgtg ttgtcacctt 480
tctnaagctt                                     490
```

<210> 120

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 142, 167, 307, 347

<223> n = A,T,C or G

<400> 120

```
caggtaacagt aaaattaaca cttccgttac aggaaatgta tgacgcaaat aatataaaat 60
taaaaggtga aaaaaaggtg aacttggtt cctaagatac aatttactct ttacaaccag 120
ggtccacagg tccaggctgc anagcgggca tcaggaagca gagcctncca cctgcttctg 180
ggggacctgg taataaaaaat cagcccatga tggcgctatg gcctctcaga caccacacgc 240
tgcctaaaca ctagagctc tggaaatagt caacaggaga gtgatttcca tgggggaaat 300
tttaanaaag atgcacatgg gacaggcaat agaaagtttg ccaaggntaa atttggtacc 360
t                                     361
```

<210> 121

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 360, 380, 393, 398, 401

<223> n = A,T,C or G

<400> 121

```
acacaaaacc ttttnacata ttgggggctt accgctccaa attgctactg atcctttaag 60
ttcacaaat agaatctt caccaattaa gtaataaacc tcattacaaa taaagtgc 120
ctgataacca aactcgtaag tcccatttgc agggactgct tggccattta aaggatcccg 180
tatatatgga catgtttctc tataacaggc gtcactctgag acaggtagcc atgtatgatt 240
ccgatcacia atagtatggg tggcaagagg aggtatatag aagtatcctt ttttacactt 300
```

ataatctact cgttcaccaa tctcatagta gggttttggt ttaccaatga gcctccatan 360
 ottcaaagt tgggtggctn ctcacaggca tcnggcanaa ngagt 405

<210> 122
 <211> 152
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 15, 150
 <223> n = A,T,C or G

<400> 122
 acccgcctcc gttgncacag atcgctgtct gcccaactcca tcggccattc acttggcagg 60
 tgcgattggc agagccccgg agagtgtaac cgtcatagca gtggaaagag atctcatcac 120
 tcacattgta gtagggagac cggggccaan ta 152

<210> 123
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 123
 acatctgaca tatttatata gcacataaat tagggagtgc tctgacccct gcccgaggag 60
 cccaagcact gagcagggag gtgaacgccca gtccagaaag aagggtgctgg agccccctgct 120
 ctgtcctctc catcacgggg ctcccctagg gcctccccag gcctccttgg ctcagtcag 180
 gtgtctgcag gaggaagggt ttgtctgcat ttagtgtctg agactgggtt tgaggaggca 240
 ccagataaaa ggagatacac ttgcagctat aaagtcagct tcaaaccoca gggcttgtaa 300
 ttccaagagg aggggtggga ggcgaggcca tagtct 336

<210> 124
 <211> 253
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 248, 253
 <223> n = A,T,C or G

<400> 124
 ctgcaagagc ccagatcacc cattccgggt tcaactccccg cctccccaag tcagcagtc 60
 tagccccaaa ccagcccaga gcagggtctc tctaaagggg acttgagggc ctgagcagga 120
 aagactggcc ctctagcttc taccctttgt ccctgtagcc tatacagttt agaataattta 180
 tttgttaatt ttattaaaat gctttaaaaa aacaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaagntt gtn 253

<210> 125
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 125

```

acaactgcaa gtctaagata atgttcattc attcccatca taaatgtaac attctaaata 60
ggtgtcttct gatgtcatct gtcagaattt cttttaaact ttttcttcat cttcaacatt 120
atcaaagttc atccttattc ctcttgccct gatttcggag agtttccaat ttttcaacta 180
ttaaggcagc gattgctttt gcatctcttg tatttatctg ctcttcttga aaatttctct 240
ttgctctttc gtagaaataa aacttaacag ttggataggc cctgatccca gctttctggc 300
atgtctgagc ataagcctga cagtctactt ttccagcttt cacttttccct ttaatcatcc 360
tagccaagag ctcaaattct ggagcaaaat tctggcaagg tccacaccaa ggagcataga 420
aatcaatcac ccaatgattt ttcccttgta gaactttttc actgaaagtc tgagggtgta 480
gatctgtgga tacttgaggt aaaaatccta gaccccgat tc 522

```

<210> 126

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 302

<223> n = A,T,C or G

<400> 126

```

tttttaagat attaacttta cttttataaa tctttgtgtg aaatgaaaaa aaaaatcaag 60
gcatacaaat ttcattgtgt tctacatttt taaataccat cttttgtctc cgttaaaaga 120
ttttcatcca tttattcaaa aaccttttaa gttcaactgt ccaatttaag acagagtgaa 180
gacatTTTTT agtatctgaa ctaagcattg tcttgactga aacgaagtaa gaactcaatg 240
agagtccttg tgggcctccc aggcattgct ttccgtagat agggaaactc atctttgttg 300
gncatcacgc ctgctatgtc taaatgtgcc cacttaggat gagttacgaa ttctttcagg 360
aatgctgcag ctgt 374

```

<210> 127

<211> 130

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 37, 47, 69, 75, 87, 112, 115, 124

<223> n = A,T,C or G

<400> 127

```

aaagccaaga cngccattgg cactgctatg gtaaggncac agggcancca gggccttctg 60
gcaaaaggng atacnaccag cactatnaac agacaggaca tggttgagag gnagnctaca 120
caantectaa 130

```

<210> 128

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 16, 24, 146

<223> n = A,T,C or G

<400> 128

```
acactgattt ccgntnaaaa gaancatcat ctttaccttg acttttcagg gaattactga 60
actttcttct cagaagatag ggcacagcca ttgccttggc ctcacttgaa gggctctgcat 120
ttgggtcctc tggctctctg ccaagnttcc cagccactcg agggagaaat atcgggaggt 180
ttgacttcct ccggggcctt cccgagggct tcaccgtgag ccctgcggcc ctcagggctg 240
caatcctgga ttcaatgtct gaaacctcgc tctctgcctg ctggacttct gagggcgtca 300
ctgccactct gtccctccagc tctgacagct cctcatctgt ggctgttga 350
```

<210> 129

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 471

<223> n = A,T,C or G

<400> 129

```
acaataccaa agcttcataa tgctaaagaa aaccaaaca aaagacaatg gtttacacag 60
ggaaataacc ctaaggcaat atgaaaacag tcataattta ttactgataa agagtaaagg 120
catccttccc atagaggggg ggaattcaca gggaacacta attatatcag atgaaccacg 180
gggatagaaa ataggcccat ttttaaaatt cattgagaaa ttattacttt ttctccacaa 240
ctgtgattct atacaaaata taaaccctgc aaaccttatg tgctacctga cagataaaaag 300
tagcaggagc cagactcttg aagcacttga gactgatttc tacaaaagtcc aggaagagca 360
atgattccag tgtgcagtgc tgatgcatgt gtgagcctaa catgttattc agctctgggt 420
gcagcccat ctacatgggg cccagttagt ttttagggag tcacagatta ngcaggcaac 480
cgaggggcat gatttaaaaa gcaca 505
```

<210> 130

<211> 526

<212> DNA

<213> Homo sapiens

<400> 130

```
acaaaagagc ctgattcttt ttaattccac aaatacctag catctcaaag taacatgtaa 60
acaaacttct atgctgctca atgaatcctt ccaatttcga taataaacta aatagtattg 120
gatctagtat atgactttca tgtgtaagtt atggttctat ccattacttt aacaatatta 180
ctgatgtaac agagaaaaat tttcaactat tgtacttatt taaaacaaac tgacaagtgc 240
aagcacctgt cttcagaaaa gccagcagca tttttttttt tttaacatac tcaaagtaag 300
atttggccta agcccttaat acctttctga acagccatgc aactaaacac cctcaggaga 360
tgttacataa gggagagaag aacatggagc aatttgcact tttccccta gataatatta 420
acaaggtaaa gcaaatccag atctttatga atgaatggct gtcattgtta atacacttgg 480
agctctataa aactagagcc actatcatat atgtttatat agatat 526
```

<210> 131

<211> 477

<212> DNA

<213> Homo sapiens

<400> 131

```
ctcagttttc ccagcaacag atgctcctga gcaatttatt agtcaagtga cgggtgctgaa 60
atacttttct cattacatgg aggagaacct catggatggg ggagatctgc ctagtgttac 120
tgatattcga agacctcggc tctacctcct tcagtggcta aaatctgata aggcccta 180
```

```

gatgctcttt aatgatggca cctttcaggt gaatttctac catgatcata caaaaatcat 240
catctgtagc caaaatgaag aataccttct cacctacatc aatgaggata ggatatctac 300
aacttttcagg ctgacaactc tgctgatgtc tggctgttca tcagaattaa aaaattgaat 360
ggaatatgcc ctgaacatgc tcttacaaag atgtaactga aagacttttc gaatggaccc 420
tatgggactc ctcttttcca ctgtgagatc tacagggaac ccaaaagaat gatctag 477

```

<210> 132

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 15, 19, 24, 87, 125, 140, 355, 390, 399

<223> n = A,T,C or G

<400> 132

```

accacacgan cgggnatcnt ttgnacatag tgagacccgg ctgattccca tacatgaatc 60
cattcatgga gtgcatttta ttagatncct gaaagtcttc atcttcctta tccacctgat 120
caggngcagt tgtaaactn cctaataatta tcttcaggga gtaaaactctc attctcatca 180
aatactgtag gaaacaaata gaattccttg tctacatctt tctgtctccc atttgcata 240
aaacttcctt tcttgcata tttcattggc ccaataagcc cagtgaatat atcttttagtg 300
ggatccacag cagaataata catcttagct agacacacag ggatctgcat tacgnggggc 360
ctacttcttt ggggacagcc cttcatacgn gaatgtttnt gtgg 404

```

<210> 133

<211> 552

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 529

<223> n = A,T,C or G

<400> 133

```

accccaaatt atctctctcc tgaagtcctc aacaaacaag gacatggctg tgaatcagac 60
atttggggccc tgggctgtgt aatgtataca atgttactag ggaggcccc atttgaaact 120
acaaatctca aagaaactta taggtgcata agggaagcaa ggtatacaat gccgtcctca 180
ttgtctggctc ctgccaagca cttaattgct agtatgttgt ccaaaaaccc agaggatcgt 240
cccagtttgg atgacatcat tcgacatgac ttttttttgc agggcttcac tccggacaga 300
ctgtcttcta gctgttgtca tacagttcca gatttccact tatcaagccc agctaagaat 360
ttctttaaga aagcagctgc tgctcttttt ggtggcaaaa aagacaaagc aagatatatt 420
gacacacata atagagtgtc taaagaagat gaagacatct acaagcttag gcatgatttg 480
aaaaagactt caataactca gcaacccagc aaacacaggg acagatgang agctccacca 540
cctaccacca ca 552

```

<210> 134

<211> 496

<212> DNA

<213> Homo sapiens

<400> 134

```

acattgatgg gctggagagc aggggtggcag cctgttctgc acagaaccaa gaattacaga 60

```

```

aaaaagtcca ggagctggag aggcacaaca tctccttggg agctcagctc cgccagctgc 120
agacgctaata tgctcaaact tccaacaaag ctgcccagac cagcacttgt gttttgattc 180
ttcttttttc cctggctctc atcatctctg ccagcttcag tccattccag agtcgaccag 240
aagctgggtc tgaggattac cagcctcacg gagtgacttc cagaaatata ctgaccacca 300
aggacgtaac agaaaatctg gagaccacaa tggtagagtc cagactgacg gagccacctg 360
gagccaagga tgcaaatggc tcaacaagga cactgcttga gaagatggga ggggaagccaa 420
gacccagtgg gcgcatccgg tccgtgctgc atgcagatga gatgtgagct ggaacagacc 480
ttttctgggc cacttt                                     496

```

<210> 135

<211> 560

<212> DNA

<213> Homo sapiens

<400> 135

```

actgggagtg atcactaaca ccatagtaat gtctaataat cacaggcaga tctgcttggg 60
gaagctagtt atgtgaaagg caaatagagt catacagtag ctcaaaaggc aaccataatt 120
ctcttttggg caggtcttgg gagcgtgata tagattacac tgcaccattc ccaagttaat 180
cccctgaaaa cttactctca actggagcaa atgaactttg gtcccaaata tccatctttt 240
cagtagcggt aattatgctc tgtttccaac tgcatttcct ttccaattga attaaagtgt 300
ggcctcggtt ttagtcattt aaaattgttt tctaagtaat tgctgcctct attatggcac 360
ttcaattttg cactgtcttt tgagattcaa gaaaaatttc tattcttttt tttgcatcca 420
attgtgcctg aactttttaa atatgtaaat gctgccatgt tccaaaccca tctgcaagtg 480
tgtgtgttta gagctgtgca ccctagaaac aacatattgc ccatgagcag gtgcctgaac 540
acagaccctt ttgcattcac                                     560

```

<210> 136

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 407

<223> n = A,T,C or G

<400> 136

```

accagcaaat ctccattagc atttctcagg ttctcatgat cttttcagat atgttggttg 60
attttatgta tatattgctt agaaacaaaa atccacctga tattaaaaca aaccaaaaaa 120
aatcataaaa gcaagcaaat gaacaaaaaa ccctagtttt gttgtgcttt tctttcacat 180
ttcctacagg gagatttgta tatctcagat actttcaaaa tctaataagg aagtaaaatt 240
agtgccttaa ccaaacagta agataccaaa gaatcctcca tcacaagtta ctgaatcaaa 300
cttctcatga catttgcggt atattcagat ttgaagattt tttaaattta gaatttaaaa 360
caaactttag actgctgatt ttccatattt caaagactgt agctgtntgc agcatataaa 420
tgga                                     424

```

<210> 137

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 182, 293, 314, 375, 378

<223> n = A,T,C or G

<400> 137

```
tgcgggntg aaggctagca aaccgagcga tcatgtcgca caaacaatt tactattcgg 60
acaaatacga cgacgaggag tttagatc gacatgtcat gctgccaag gacatagcca 120
agctggggcc taaaacccat ctgatgtctg aatctgaatg gaggaatctt ggcgatcagc 180
anagtcaggg atgggtccat tatatgatcc atgaaccaga acctcacatc ttgctgttcc 240
ggcgccact acccaagaaa ccaaagaaat gaagctggca agctactttt canccctcaag 300
ctttacacag ctgnccttac ttcctaacat ctttctgata acattattat gctgccttcc 360
tgttctcact ctganatnta aaaga-gttc aa 392
```

<210> 138

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 168, 172, 218, 242, 245, 266, 268, 270

<223> n = A,T,C or G

<400> 138

```
tgcctgtgca cctctttgct tgaaatatgg caagacttgg aaaaatgttt gcccttagaa 60
tctatctcac tacttttagtt agttgtctcc tttagggcctg ggcacagttc tggccctgat 120
ctggaacaga ctcccttttc taaaactgaa cttgaccaca tcaaaagntt gnaaaacaat 180
ctccatggta attaaacttg cattcaacac catatggnaa cagaagatgg caggaggata 240
anatncagat cttatgatct ttccangnan ggcattgtac atga 284
```

<210> 139

<211> 249

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 23, 28, 33, 67, 68, 81, 161, 168, 175, 183, 217, 248

<223> n = A,T,C or G

<400> 139

```
gaggaagggg ggactgaatc tancacntg acngaactag agacagccat gggcatgata 60
atagacnnet ttacccgata ntcgggcagc gagggcagca cgcagaccct gaccaagggg 120
gagctcaagg ggctgatgga gaaggagcta ccaggcttcc ngcagagngg aaaaanacaag 180
gangccgtgg ataaattgct caaggaccta gacgccnatg gaggatgccc aggtggactc 240
cagcgagnt 249
```

<210> 140

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 26, 27, 35, 41, 96, 319

<223> n = A,T,C or G


```

<400> 140
tcataatggt tggggcagct ataatnnact acaanaatca natgtttcac atctagacct 60
cgggcagcaa cagaggtagc cacaagaagt ttgcangtcc cattcttaaa gtcatttatg 120
atgctatctc tgtcatattg atcaatgcct ccatgaagag acatgcaagg ataagatgct 180
ctcattaaat ccttaagaag accatcagca tggttcctgct tatccacaaa tataatgaca 240
gacccctgact cttgataatg gcctagaagc tcaagtaact tcaagaattt cttttcttct 300
tcaatcacia tcacttgtn gctccacatct gagcaaacca cactcctgcc tccaacttgt 360
acctgccccg ggcgggcgct caaggcgcaa 390

```

```

<210> 141
<211> 420
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 20, 21, 23, 28, 155, 174, 221, 239, 240, 258, 265, 302, 307,
316, 342, 346, 374, 387, 388, 402, 418
<223> n = A,T,C or G

```

```

<400> 141
gacactcagg gaaaagcatn ngncaaanag agcttaaaat gcatcgccaa cggggtcacc 60
tccaaggtct tcctcgccat tcggaggtgc tccactttcc aaaggatgat tgctgaggtg 120
caggaagagt gctacagcaa gctgaatgtg cgcancatcg ccaagcggaa ccngaagcc 180
atcactgagg tcgtgcagct gcccaatcac ttctccaaca natactataa cagacttgnn 240
cgaagcctgc tggaatgnga tgaanacaca gggcagcaca atcaggagac agcctgatgg 300
anaaaantgg gcctancatg gccaggcctc ttccacatcc tngcangaca gaccactgtg 360
cccaaacaca cccnctgagc tgacttnnac aggagacgca cnaaggagcc cggcagangc 420

```

```

<210> 142
<211> 371
<212> DNA
<213> Homo sapiens

```

```

<400> 142
gggttcgaca atgctgatcc gcaattagaa gacactggta agctgtgtta cactgggctt 60
cattgaaatc ttcaaggata tagccagctc ctgctcgaag ctgggattct gtatactgct 120
tggtgaaagg aggaatttcc aaaaattcct cctcttcttc actgcttcct gtaggacct 180
ctggcagttt ggagcggctg gccaaacttg cactggttgt ggccatggta aggagaaatg 240
cgtagcccag aaacaaggctc ttgttgagag gcaaaggccc tctctgctct tccagggcag 300
agggttcacc ggtgttgtct ccactctcac aggggctcac aaactctcct gccctactt 360
gcaccagggt t 371

```

```

<210> 143
<211> 270
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 20, 41, 76, 77, 104, 110, 123, 145, 154, 165, 190, 199,
217, 239, 241, 247, 262, 267, 269

```

<223> n = A,T,C or G

<400> 143

```
ggtggctgtg atnacctttn ttagttttaca aataaaaaag ntaaaaagaa atactgtgtt 60
tagggtaagg taacannttc atctaatacag aggagagtga agangaggcn ctgccttcta 120
ggngctgtga ccttctcctt ttcgngattc ttcnccacct tgggnaacat cttccccgct 180
atgctggaan tacttcgngg ttctgcgggtg gccatgntga acatctgatg aactgaaant 240
ncatccnaat gcacacgaag anatagncna 270
```

<210> 144

<211> 259

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 28, 167, 223

<223> n = A,T,C or G

<400> 144

```
ttctctttgc tttttataat tttaaagnaa ataacacatt taactgtatt taagtctgtg 60
caaataatcc ttcagaagaa atatccaaga ttctgtttgc agaggtcatt ttgtctctca 120
aagatgatta aatgagtttg tcttcagata aagtgtcctt gtccagnaga actcaaaagg 180
ccttcaagct gttcagtaag tgtaggttca gataagactc cgncatacga attccagctt 240
cccgtgccca ctgtacctc 259
```

<210> 145

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 406

<223> n = A,T,C or G

<400> 145

```
accacatnta ccatagtgtg attagtttta attttcacat gaatcaaagg tttcctttca 60
tgtctattta cagtcgaatt gtgccaaact cttacttgtg tgctgactaa caaggcattt 120
agggtgtgag catcctagag tgctccaggg cagtgtcagc gttctcgga gtaaaagggtg 180
ccacttggtg gcaatgatat tccagaatta aatgggtttt tgttgccatg gagactgcat 240
ttatataaat gtagcctgta gcttaagtta actaaacctt atgctgctgt taaaaacagt 300
ttatttttaat attaaaatac agttgattag caacagcggg gctgtatttt aagagacact 360
ttattggaag tgcaatcata gttatttggg ttcacaattt tacagngcat tctaattact 420
gatgggtgca att 433
```

<210> 146

<211> 576

<212> DNA

<213> Homo sapiens

<400> 146

```
acctcaggcc tgtgcacctc tttgcttgaa atatggcaag acttggaata atgtttgccc 60
ttagaatcta tctcactact ttagttagtt gtctcctttg ggcttgggca cagttctggc 120
```

```

cctgatctgg aacagactcc cttttctaaa actggacctt gaccacatca aaagtttgta 180
aaacaatctc catggtaatt aaacttgcac tcaacacccat atggtaacag aagatggcaa 240
aggataagat tcagatctta gatctttcca agtagggcat gttagatgat agaaggatta 300
gttgcaagct ggatctgagc tcaggcttgg gcatgaagga aactgtctcc catgtgggtt 360
ggaagagtta ggggctccct gagctctatt gtgaactata cgggtttcat ccaaggaatg 420
gtatgatgtg ggcataaaac cattcttcag acaactgaag atgggtccct tctgtagcca 480
gaaacactag ctgtcctgca ttgccatttc ctttacccca ggcggcctgc agaaggaaag 540
gccataatta attaaaaggc ttaatgaagt tttgga 576

```

<210> 147

<211> 300

<212> DNA

<213> Homo sapiens

<400> 147

```

ccagcccccga ggaggaaggt gggctctgaat ctagcaccat gacggaacta gagacagcca 60
tgggcatgat catagacgtc tttaccgat attcgggcag cgagggcagc acgcagaccc 120
tgaccaaggg ggagctcaag gtgcttatgg agaaaggagc taccaggett ctgcagagtg 180
gaaaagacaa ggatgccgtg gataaattgc tcaaggacct agacgccaat ggagatgcc 240
aggtggactt cagtgaagtt atcgtgttcg tggctgcaat cacgtctgcc tgtcacaagt 300

```

<210> 148

<211> 371

<212> DNA

<213> Homo sapiens

<400> 148

```

acataatcct cataatggtt ggggcagcta taatttacta caagaatcag atgtttcaca 60
tctagacctc gggcagcaac agaggtagcc acaagaagtt tgcaggtccc attcttaaag 120
tcatttatga tgctatctct gtcataattga tcaaatggcc tccatgaaga gacatgcaag 180
gataagatgc tctcattaaa tccttaagaa gaccatcagc atgttctctgc ttatccacaa 240
atataatgac agatcctgac tcttgataat ggcctagaag ctcaagtaac ttcaagaatt 300
tctttttctt ttcaatcaca atcacttggt gctccacatc tgagcaaacc aactcctgc 360
ctccaaattg t 371

```

<210> 149

<211> 585

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 30, 32, 527, 565

<223> n = A,T,C or G

<400> 149

```

cgaggtagan cactgctaaa tttgacactn anggaaaagc attcgtcaaa gagagcttaa 60
aatgcacgc caacgggggc acctccaagg tcttctctgc cattcggagg tgctccactt 120
tccaaaggat gattgctgag gtgcaggaag agtgctacag caagctgaat gtgtgcagca 180
tcgccaagcg gaacctgaa gccatcactg aggtcgtcca gctgccaat cacttctcca 240
acagatacta taacagactt gtccgaagcc tgctggaatg tgatgaagac acagtcagca 300
caatcagaga cagcctgatg gagaaaattg ggcctaacat ggccagcctc ttccacatcc 360
tgcagacaga cactgtgccc caaacacacc cacgagctga cttcaacagg agacgcacca 420

```

```

atgagccgca gaagctgaaa gtcctcctca ggaacctccg aggtgaggag gactctccct 480
cccacatcaa acgcacatcc catgagagtg cataaccagg gagaggntat tcacaacctc 540
ccaaactagt atcatttttag gggnggttga cacaccagtt ttgag 585

```

```

<210> 150
<211> 642
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 5, 525, 612, 627
<223> n = A,T,C or G

```

```

<400> 150
acttncgggt tgcacaatgc tgatccgcaa ttagaagaca ctggttaagct gtgtttacact 60
gggcttcatt gaaatcttca aggatatagc cagctcctgc tcgaagctgg gattctgtat 120
actgcttggt gaaaggagga atttccaaaa attcctcctc ttcttcaactg cttcctgtag 180
gaccatctgg cagtttggag cggctggcca acttgctact ggttgtggcc atggtaagga 240
gaaatgcgta gccagaaac aaggtcttgt tgagaggcaa aggccctctc tgcctctcca 300
gggcagaggg ttcaccggtg ttgtctccac tctcacaggg gctcacaac tctcctgcc 360
ctactgcacc aggttttact gtggcagact tgcgacctcg cttggcaggg gaccgttcct 420
cttcagaagt gataagtttt cttttgcctg agagaactcc catggaggca cgaggacttt 480
ctgtgatctt tcgggtaggg gttgtgctgc tactggaggc agtanggggtg gctggggagc 540
tgacgttact gcgcggtttc cgcttccttc caccaaaattg ctaagctgat atctgctgcc 600
tttgtaagaa gnggtactgc ttcatanggg ccaagcccat ac 642

```

```

<210> 151
<211> 322
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 171, 240
<223> n = A,T,C or G

```

```

<400> 151
nttgacaac atcttccccg ctatgctgga attacttcgg tgttctgcgg tggccatggt 60
gaacatctga tgaactgaaa ttccatcgga atgcacagga agatatagtt gatcttcaaa 120
aatgtccttt ccaggaccac catactgggg aagttctttc ggggtgcctgc naatgggctg 180
caccctgggg ctgggcccga gctctagctc tgtcatgccca tcgccactga aatcggtttn 240
cagatgatta gtctcttcat gccccgtcca ttttctcggtt tttctccagt gttcagaaa 300
tcaaattgatt aacttctggg aa 322

```

```

<210> 152
<211> 262
<212> DNA
<213> Homo sapiens

```

```

<400> 152
acaaagtctt ctctttgctt ttataaattt taaagcaaat aacacattta actgtattta 60
agtctgtgca aataatcctt cagaagaaat atccaagatt ctgtttgcag aggtcatttt 120
gtctctcaaa gatgattaaa tgagtttgtc tttagaataa agtgctcctg tccagcagaa 180

```

```
ctcaaaaggc cttcaagctg ttcagtaagt gtagttcaga taagactccg tcatacgaat 240
tccagcttcc cgtgccact gt 262
```

```
<210> 153
<211> 284
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 241, 264, 282
<223> n = A,T,C or G
```

```
<400> 153
ctcgggagta aaagggtgcc cttggtagca atgatattcc agaattaaat gggtttttgt 60
tgccatggag actgcattta tataaatgta gcctgtagct taagttaact aaacctaatg 120
ctgctgttaa aaacagttta ttttaatat aaaatacagt tgattagcaa cagcgggtgct 180
gtattttaag agacacttta ttggaagtgc aatcatagtt atttgttttc acaattttac 240
ngtgcattct aattactgat gggngcaatt acttttaatc gngg 284
```

```
<210> 154
<211> 531
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 525
<223> n = A,T,C or G
```

```
<400> 154
accacacctt aatttgaact cttatcaaga ggctgatgaa tctgaccatc aaataggata 60
ggatggacct ttttttgagt tcattgtata aacaaatttt ctgatttgga cttaattccc 120
aaaggattag gtctactcct gctcattcac tctttcaaag ctctgtccac totaactttt 180
ctccagtgtc atagataggg aattgctcac tgcgtgccta gtctttcttc acttacctgg 240
cctctgatag aaacagttgc ccctctcatt tcataaggtc gaggacttgt gaccctggat 300
ggttctaaat ggaaaaagca ccgccagatt gtgaaacctg gcttcaacat cagcattctg 360
aaaatattca tcaccatgat gtctgagagt gttcggatga tgctgaacaa atgggaggaa 420
cacattgccc aaaactcacg tctggagctc tttcaacatg tctccctgat gaccctggac 480
agcatcatga agtgtgcctt cagccaccag ggcagcatcc agttngacag t 531
```

```
<210> 155
<211> 353
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 243
<223> n = A,T,C or G
```

```
<400> 155
tcttgacaag actgagagag ttacatgttg ggaaaaaaaa agaagcatta acttagtaga 60
actgaaccag gagcattaag ttctgaaatt ttgaatcatc tctgaaatga agcaggtgta 120
```

```

gcttgccctc tcacatcc gtctgggtgc cagaactcaa gggtcagtgg acacatcccc 180
ctgttagaga ccctcatggg ctaggacttt tcacttagga tagattcaag acctttacct 240
canaattatg taaactgtga ttgtgtttta gaaaaattat tatttgctaa aaccatttaa 300
gtctttgtat atgtgtaaat gatcacaaaa atgtatttta taaaatgttc tgt          353

```

```

<210> 156
<211> 169
<212> DNA
<213> Homo sapiens

```

```

<400> 156
agtttgttct actacatttg tggccacta gttcactttg ctgtgttgat aagcgttacc 60
accaattgca ctttctatag cctcttttac aatgttgctc acttcatcaa caacaaaagc 120
agtctcctcc gcagcctggg agtcttccat ctttctcctg gcgcgtccc          169

```

```

<210> 157
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 147
<223> n = A,T,C or G

```

```

<400> 157
gttaactacc cgctccgaga cgggattgat gacgagtcct atgaggccat tttcaagccg 60
gtcatgtcca aagtaatgga gatgttccag cctagtgcgg tgggtottaca gtgtggctca 120
gactccctat ctggggatcg gttaggntgc tttaatctac tatcaaagga cagccaagt 180
gtgtggaatt tgtcaagagc tttaacctgc ctatgctgat gctgggaggg ggtgggtaca 240
ccattcgtaa cgttgcccggt tgctggacat atgagacagc tgtggccctg gatacggaga 300
tcctaataga gcttccatac aatgactact ttgaatactt tggaccagat ttcaagctcc 360
acatcagtcg ttccaacatg actaaccaga acacgaatga gt          402

```

```

<210> 158
<211> 546
<212> DNA
<213> Homo sapiens

```

```

<400> 158
actttgggct ccagacttca ctgtccttag gcattgaaac catcacctgg tttgcattct 60
tcactgactga ggttaactta aaacaaaaat ggtaggaaag ctttcctatg cttcgggtta 120
gagacaaatt tgcttttgta gaattgggtg ctgagaaagg cagacagggc ctgattaaag 180
aagacatttg tcaccactag ccaccaagtt aagttgtgga acccaaagggt gacggccatg 240
gaaacgtaga tcactagctc tgctaagtag ttaggggaag aaacatattc aaaccagtct 300
ccaaatggat cctgtggtta cagtgaatga ccactcctgc tttatttttc ctgagattgc 360
cgagaataac atggcactta tactgatggg cagatgacca gatgaacatc atcatcccaa 420
gaatatggaa ccacgtgctg tgcataata gatttttccc tgttatgtag gcattcctgc 480
catccattgg cacttggtgc agcacagtta ggccaacaag gacataatag acaagtccaa 540
aacagt          546

```

```

<210> 159
<211> 145
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> 63, 82, 100, 118, 120, 131, 138

<223> n = A,T,C or G

<400> 159

```
acttttgcta taagtttcct aaaaatattt aatacttttt tttttcaatt taaattaaat 60
ctnttgatga acaggggggg gntggcaaaa tttccaagcn ctggactgga attttganan 120
aggcatttac ngaccctnat aactt                                     145
```

<210> 160

<211> 405

<212> DNA

<213> Homo sapiens

<400> 160

```
tgtaaatcgc tgtttgatt tcttgatttt ataacagggc ggctgggttaa tatctcacac 60
agtttaaaaa atcagcccct aatttctcca tgtttacact tcaatctgca ggcttcttaa 120
agtgacagta tcccttaacc tgccaccagt gtccccctc cggccccgt cttgtaaaaa 180
ggggaggaga attagccaaa cactgtaagc ttttaagaaa aacaaagttt taaacgaaat 240
actgctctgt ccagaggcct taaaactggg gcaattacag caaaaaggga ttctgtagct 300
ttaacttgta aaccacatct tttttgcact ttttttataa gcaaaaacgt gccgtttaaa 360
ccactggatc tatctaaatg ccgatttgag ttccgcacac tatgt                                     405
```

<210> 161

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 33, 49

<223> n = A,T,C or G

<400> 161

```
tttgctttta atgaaggaca agggattaag acncatagag actggccana caaatgggaa 60
accgaccaga ccagcccatg accaaaatat cacaggcaga ccaccacaaa atgcagaggc 120
ctcagagtcc acagtgggcg gttggaaccc agggccccag ggaatctttc agctgcattc 180
cggetgtgat cggcgggcaa caggtagagg tgctggaggg ggctgagtcg tgattttcgg 240
tgtctgtcat attcgatcaa gtgtgtcata gagcttctg tttcatctcc cagttattca 300
aggagaggct ggtggctcca cttcccagg aactgtgctg tgaagatctg aagacaggca 360
cgggctcagg caccgcttgt ctggaatgtc aatttgaaac ttaaaaagca gcgaccatcc 420
agtcatttat ttccctccat tcc                                     443
```

<210> 162

<211> 228

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 97, 147, 162, 174, 186, 213, 218

<223> n = A,T,C or G

<400> 162

```
tcgttatcaa aatggaagac accaaaccat tactggcttc taagctgaca gaaaaggagg 60
aagaaatcgt ggactagtgg agtaaat tttt atgcttinctc aggggaacat gaaaaatgcg 120
gacagtatat tcagaaaggc tattccnagc tcaagatata tnattgtgaa ctanaaaata 180
tagcanaatt tgagggcctg acagaacttct canatacnnt caagttgt 228
```

<210> 163

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 225, 250, 364

<223> n = A,T,C or G

<400> 163

```
acccaaggct acacatcctt ctgtgaaaca gtctcacgga gactctcaga atcccaagaa 60
ttttcttcaa ctttcttttg ttttgattct gaagggaaca tctgatctgc tctcaatggt 120
tggtcattct tcaattccaa ggctttat tttt ggaacagact ttgcatttca atggcaggct 180
cgaaggcaga tggcttctcg ggaggctctg ctttgaaagt ttgcntgtcc atcaattcta 240
aggctttagn tggaatagaa actttcattc tgcaggggagc cttcagaaaa ccatcattat 300
caggagactc ttctaatttt ccatttattt tatctatttc tttttgatgc gcagccttgg 360
gtanacacac atccttctgt gaaacagtct cacagagact ctcagaatcc caagaacttt 420
cttcatagtc cttttgtttg gattctgatg ggagtatctc atctgctctc aatgtttgtt 480
cattcttcaa ttccaaggct ttatttggaa cagacttttg catttcaatg gcaggctcga 540
aggcagatgg cttctcggga ggctctgctt tgaaaagtgt 580
```

<210> 164

<211> 140

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 16, 79, 107, 109, 116, 125, 136, 140

<223> n = A,T,C or G

<400> 164

```
acttataatct tttggnccttg ggctttctcaa agttcacgac agacataggc actctcacag 60
tatcaagccc atttaccgnc acctcacacc aatactcgcc ccaccgngng ataggntctg 120
ctggnaactt taatgnatgn 140
```

<210> 165

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 156, 157, 227, 232, 260, 283, 290, 299, 304, 310, 331, 338, 346, 353

<223> n = A,T,C or G

<400> 165

```

acatggagcc actgccacca gtggtgatgg aaagcactgc cttcttactc cggaaggggc 60
ctttgtcata catggcagcg taagtgttaag caaactctcc tatgaacact cgctcaaacc 120
agcctttcag aatggcaggg actccaaacc actgcnnngg ggaactggaa tatcacaagg 180
tctgcggttt ccagcttctt ttgttcagcc acaatatctg ggctcanatg gnetttctta 240
taagccagaa cagactcggn aggatactga aagttcgagc ggnccttcan ttacactgng 300
atgncctttt tggaaatgat gggattgaag ntcattggnat aaaggncgga ctncaccacc 360
tccattcttt                                     370

```

<210> 166

<211> 258

<212> DNA

<213> Homo sapiens

<400> 166

```

gtcaaaagtc atgattttta tcttagttct tcattactgc attgaaaagg aaaacctgtc 60
tgagaaaatg cctgacagtt taatttaaaa ctatggtgta agtctttgac aagaaaaaaa 120
aacaacaaaa cacttctttc catcagtaac actggcaatc ttctgttaa ccactctcct 180
tagggatggt atctgaaaca acaatggtca cctcttgagc attcgtttta agtgtaattc 240
cataatgagc agaggtgt                                     258

```

<210> 167

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 44, 106, 113, 115, 133, 147, 149, 181, 186, 188, 229, 230, 242, 277, 291, 315, 317, 335, 337

<223> n = A,T,C or G

<400> 167

```

ggtcagccaa acaccagga tctctgtaaa actgaagaac aggncaatgc caccaacaaa 60
tctcaaaacc tctccagcat attctcctat gattggagca catggngagc acnantgggc 120
acttttaaca canctagcca gacaggngnc atttgggtta acacttcgga acccacagca 180
ntttanantt ctctggatgt catttcgagc acttgatatt attggtcann tttctgtatc 240
tngcgcttgg ttagccctga accaggagca acaggngcag cttctggagg ntggttggaa 300
caatacggca agtgntngaa atgacatcca acctncngaa atgac                                     345

```

<210> 168

<211> 61

<212> DNA

<213> Homo sapiens

<400> 168

```

gatagtgtgg tttatggact gaggtcaaaa tctaagaagt ttgcagacc tgacatccag 60
t                                                    61

```

<210> 169

<211> 344

<212> DNA

<213> Homo sapiens

<400> 169

```
acattggtgc tataaatata aatgctactt atgaagcatg aaattaagct tcttttttct 60
tcaagttttt tctcttgtct agcaatctgt taggcttctg aaccaagacc aaatgtttac 120
gttcctctgc tgcataccaa cgttactcca aacaataaaa aatctatcat ttctgctctg 180
tgctgaggaa tggaaaatga aacccccacc ccctgacccc taggaactata cagtggaaac 240
tgttcattgc tgatgaatgc agcagtcacc aaaaaataca cccaatcttc cagataacct 300
cagtgcactt taggaaatca aaaattacct ggaagcaatt tagt 344
```

<210> 170

<211> 114

<212> DNA

<213> Homo sapiens

<400> 170

```
agcagtgtgt cctccatgaa taaacaggag ttctggaggc ccatcttctg catcttctgc 60
tgattgttct tcccgaattt tacttaaadc ccacacattc aggcggcggg cagt 114
```

<210> 171

<211> 150

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 79, 107

<223> n = A,T,C or G

<400> 171

```
actgagagca tttataatct gaccaaattc ataggcatta ttaggcttgg ctatcggaag 60
tttctcaggg tcttctggng acctgctgct ttgacctccc ttctcanaag caaggcatcc 120
catggagacc tcccctgcag ggcttccagg 150
```

<210> 172

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 406

<223> n = A,T,C or G

<400> 172

```
atttgttttc cactgcctca cactagtgag ctgtgccaaag tagtagtgtg acacctgtgt 60
tgtcattttc cacatcacgt aagagcttcc aaggaaaagcc aaatcccaga tgagtctcag 120
agagggatca atatgtccat gattatcttc tggtttaggt ctacagtcaa tgtgatgggt 180
gtctttgctt cccagttctg cagaatatct ttgtgcttct ctaatcattg gctttaaagc 240
taatcaatgt gttggcagca tctctgtcac tcttgtttaa cacgtgaaga aatcaggtag 300
atttttttct gtggcattgt tttcggacct aaaatcaggt atgctgacta tttccaaggg 360
gtttttcagt tgcttcattt gcttgtaaag cagggaatcc tcttgntgct tttctttttc 420
tcgatgagcc cgtgt 435
```

<210> 173
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5
 <223> n = A,T,C or G

<400> 173
 actgntttcc cccaagtcca tgacatgtat acataattaa tggtttgcct ccttgattgt 60
 tttctccaac atccagacat agaggctgac caacgctttt aatgtatcca gatataacag 120
 gattaaggtc tggcacatac acctctggat aaatgttggt cagataccat gtaaaatttt 180
 tacactgaag gcggtgtttt atttcaaadc tttttgaaag atcaccaaat gctttttgtt 240
 taacaatttt tgctgcatct gtatttctcc tataaaatat ttccttgtat tcatccatcc 300
 agacttctgc aaggcgaact tggtttctag caatcacctg agtgcctttt ggaaagctat 360
 gagggctttt gctgcgaaaa acatgtccaa caacagagca aggcataatc tccaactgcc 420
 caccacattg ccatactctg aaagacattt ctatattttc acctcccag atttccattt 480
 ctcatcata gcttccaata tactcaaaat attcctttga tatggaaaaa agtcctcctg 540
 caaaagtggg tgttttaatt gggtaggggt catctttcct tctttgcttc tcatgatcag 600
 gaagcgactt ccaccaatg aa 622

<210> 174
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 174
 acggtgcagt tgaccactg ttggctctcc ttgcagttcc tgatatgtca tcttttagcat 60
 gtggtactt acgtaatctt acctggacac tttctaactt ttgccgcaac aagaatcctg 120
 ccccccgat agatgctgtt gagcagattc ttctacatt agttcagctc ctgcatcatg 180
 atgatccaga agtgtttagca gatacctgct gggctatttc ctaccttact gatgggtccaa 240
 atgaacgaat tggcatgggt gtgaaaacag gagttgtgcc ccaacttgtg aagcttctag 300
 gagcttctga attgccaatt gtgactcctg ccctaagagc cataggggaat attgtcactg 360
 gt 362

<210> 175
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 7
 <223> n = A,T,C or G

<400> 175
 acagntnctc tactacactc agcctcttat gtgccaaagt tttctttaag caatgagaaa 60
 ttgctcatgt tcttcatctt ctcaaatac cagaggccga agaaaaacac tttggctgtg 120
 tctaaaactt gacacagtca atagaatgaa gaaaattaga gtagttatgt gattatttca 180
 gctcttgacc tgtccctctt ggctgcctct gagtctgaat ctcccaaaga gagaaaccaa 240
 tttctaagag gactggattg cagaagactc ggggacaaca tttgatccaa gatcttaaat 300
 gttatattga taaccatgct cagcaatgag ctattagatt cattttggga aatctccata 360

```

atttcaattt gtaaactttg ttaagacctg tctacattgt tatatgtgtg tgacttgagt 420
aatgttatca acgtttttgt aaatatattac tatgtttttc tattagctaa attccaacaa 480
ttttgt                                         486

```

```

<210> 176
<211> 461
<212> DNA
<213> Homo sapiens

```

```

<400> 176
accctggcca ctccttttct tttggctggc caatgtctcc tctgtaggct ccagaaggct 60
ctcagggatg caggcggcct cctgcagggt tgagttgcaa tgggaacaaa gacagctgtg 120
gtcccatagc accctcatct ggtgacatcc tgctactgac agtcaaaaga agccttccca 180
gatgaaattt tagtcctctg cgcagccatg ctcttcttcc agcaaaagag ccatgtgcag 240
tcgggtctgc tccccatggg ggctttgatg tgggcccagc agtggatcag ccttccagac 300
acgtcaact ctgcacactc ttctgcccgc ctcaggcttt ccaggacctt cccgagcctt 360
atcagagtcc ttaccctcag ggctactgat accttgctgg gtgaccttgg acagattcac 420
ttacctggac tcagtttcat aatatgaaaa tgatagggtt g                                         461

```

```

<210> 177
<211> 234
<212> DNA
<213> Homo sapiens

```

```

<400> 177
acacattttg taattacctt ttttgttgtt ttgtagcaac catttgtaaa acattccaaa 60
taattccaca gtctgaagc agcaatcgaa tccctttctc acttttgga ggtgactttt 120
caccttaatg catattcccc tctccataga ggagaggaaa aggtgtaggc ctgccttacc 180
gagagccaaa cagagcccag ggagactccg ctgtgggaaa cctcattgtt ctgt      234

```

```

<210> 178
<211> 657
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 10, 38, 42, 56, 58, 71, 77, 109
<223> n = A,T,C or G

```

```

<400> 178
gagctcggan ccctagtaac ggccgccagg gtgctggnat gngcccttgc gagcgngncc 60
cccgggcagg naactttnat cccctcctc ttctgtagc tcatttgtnt ctctcatttt 120
ttggcatatt tttcaagtca cacttaaaaa ctcttccatg tattcacttc tcatcacttg 180
gtctacatgc cgaacctaa gtcaggattc caaaaagatg agtatcctct caaacgcctc 240
ctaagcctct ggtatacatg actttggctg tgcacttcat ttagacttca cttttttgtt 300
tgetgttgtt ttttacacta gattcctttg tcttcattaa agataatgaa agattcacat 360
cacagtgcag ctcttcgctt tgtcctttcg taagtccgta gcaactgccg agagttcttg 420
tctgctaggc atgtgtgaaa tccgctttgt ggctctctgt gatttgttcc gcttaacggt 480
tttattttgtc ttattttacac atgccaaggt ggcaacgtga aaaatgtctc tgacgctatt 540
ttccgactgt aaagctgagc attcgatata agtagctgct ccaatctgtt tggccatact 600
tgccccctgg tcataggaca ctggcgtctg cctgtgattg gagagctcta ctaatgt      657

```

```

<210> 179

```

<211> 182
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 7
 <223> n = A,T,C or G

<400> 179
 acaaaanctt ttaaatttta tattattttg aaactttgct ttgggtttgt ggcaccctgg 60
 ccaccccatc tggctgtgac agcctctgca gtccgtgggc tggcagtttg ttgatctttt 120
 aagtttcctt ccctaccag tccccattht ctggttaagg tctagtagg tctgttaggt 180
 gt 182

<210> 180
 <211> 525
 <212> DNA
 <213> Homo sapiens

<400> 180
 acacgctttt ggccccgacc aatgaggcct tgcagaagat ccctagttag actttgaacc 60
 gtatcctggg cgacccagaa gccctgagag acctgctgaa caaccacatc ttgaagtcag 120
 ctatgtgtgc tgaagccatc gttgcggggc tgtctgtaga gaccttgtag ggcattgacac 180
 tggaggtggg ctgcagcggg gacatgctca ctatcaacgg gaaggcgatc atctccaata 240
 aagacatcct agccaccaac ggggtgatcc actacattga tgagctactc atcccagact 300
 cagccaagac actatttgaa ttggctgcag agtctgatgt gtccacagcc attgaccttt 360
 tcagacaagc cggcctcggc aatcatctct ctggaagtga gcggttgacc ctccctggctc 420
 ccctgaattc tgtattcaaa gatggaacc ctccaattga tgcccatata aggaatttgc 480
 ttcggaacca cataattaaa gaccagctgg cctctaagta tctgt 525

<210> 181
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 181
 acaccacaat gtgcatcaag gagacgtgcc gattgattcc tgcagtcccg tccatttcca 60
 gagatctcag caagccactt accttcccag atggatgcac attgcctgca gggatcaccg 120
 tggttcttag tatttggggt ctccaccaca atcctgctgt ctggaaaaac ccaaaggtct 180
 ctgacccctt gaggttctct caggagaatt ctgatcagag acacccctat gcctacttac 240
 cattctcagc tggatcaagg aactgcattg ggcaggagtt tgccatgatt gagttaaagg 300
 taaccattgc cttgattctg ctccacttca gactgactcc agaccccacc aggcctctta 360
 ctttcccca ccattttatc ctcaagccca agaattggat gtatttgcac ctgaagaaac 420
 tctctgaatg ttagatctca ggg 444

<210> 182
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 182
 acaaccttta ttgcttctcc agcattttcc agaagaatgg tgcattaga gggccacagg 60
 ggatggggga gtaaaaaata acataaacga actgaacaga aatgcaggag ggtggcaaga 120

```

ggggccgaga ttgggtgttc agggcagaga ggtggaagac caggggcagt cagtgtttct 180
tagcttttcag ccaccagagt ggagaattcg tcaaccccaa ttttgccgtc cccatctttg 240
tctccagcag ccatacagcat cttgggtttct ttagcagaca ggtctctggc atctggggag 300
aagcctttta ggatgaatcc cagctcatcc tcctcgatga agccactttg tccttgtcca 360
gcatgtgaaa caccttcttc acatcatccg cactcttttt cttcaggccg accatttgga 420
agaacttttt gtggtcgaag g                                     441

```

```

<210> 183
<211> 339
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 4, 10, 58, 67, 168, 210, 226, 228, 232, 238, 239, 289, 292,
297, 302, 304, 323
<223> n = A,T,C or G

```

```

<400> 183
tgtntcatcn taaggggatt gggctctaga tctgtcgacg gcgcattgag gatttgcnat 60
cggttangtg gtccgcgagt catgaatttt tgctctggag cgttattggt tgtgaagttt 120
atccaggaga gaactatgat tgtgtcgatg cgtttactgc aggaagantc acggtctcag 180
tcacggaggt gtaaggggtg actgactgan tgagacaagg gatatntngt tnttatannc 240
ttgtgatgaa cctgcctacc gtttatgtct ctttgctaag gggctctcng tncgtgnatt 300
cncncaagct gcgggggctt ccncggttct gggctctga                                     339

```

```

<210> 184
<211> 490
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 78, 82, 109, 126, 129, 133, 159, 193, 195, 235, 244, 245,
284, 292, 296, 318, 320, 372, 389, 391, 397, 418, 437, 455,
468, 483, 488
<223> n = A,T,C or G

```

```

<400> 184
atatagcaag cttgtacgac cgacacatac ggcgcattgt gctggattgc ttatcttgtc 60
gogcgacgtc tatataancg anactacata gtctcggaag tccactcant ttcaagttcc 120
caaaanacng ganaaaaaacc catgccttat ttaactaanc atcagctcgc ttctccttct 180
gtaaccgcgc ttntngctcc cagcctatag aagggtaaaa ccacactcgc tgcgncagtc 240
atcnnataac tgattcgccc gggactatgc gggcggcgct cganaccaat tngcanaatt 300
cacacattgc ggcgctcnan aagctctaga aggccaatcg ccataattgat ctatacatta 360
tggcgctcgt tnacacgtcg tgacgggana ncctggngta ccattaatcg ctgcacantc 420
ccttcgcagc tggggntnac aaaagccgcc catcncctcca cggtgcgncc gatggcaagg 480
acnccctnat                                     490

```

```

<210> 185
<211> 368
<212> DNA
<213> Homo sapiens

```

<220>

<221> misc_feature

<222> 3, 4, 6, 13, 41, 93, 145, 159, 160, 165, 243, 302, 313, 327, 333, 350, 355

<223> n = A,T,C or G

<400> 185

```
ctnnanatag cangcttgta cgaccgacac aatacggcca ntgtgctgga ttcgcttcag 60
cgccgcccgg gcagtaccgg cgctcatcta tcngatgatg gcgcaccaat gtgggggttt 120
aaccttttta tatggctggg gacanaaagc gcggttacnn aacnataac gagctgatgg 180
tcatttaaaa atgcttgggg ttttcccggt cttttgggga attgaaactg agtgggactt 240
canaaactgt gctactttcg cttatctaag tactcggccg caacacctag ccgaatccgc 300
anatatcatc acnctggggc gcgtcancat gcntctaaag ggccaattcn cctanatgag 360
tcttatac 368
```

<210> 186

<211> 214

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 37, 38, 59, 90, 98, 105, 107, 113, 181, 183, 192

<223> n = A,T,C or G

<400> 186

```
ngggagatcg cagcttgtag gactcgtcat ataacggnca atgtgctgga tcgcttcanc 60
gccgcccggc gtctaactcg gttcggattn tgtgtgntt gtctntntta canggtgcta 120
tccccttctt cctcctctc tgccatcctc atcctttatc tccttttttg acaagtgtca 180
nancagacag angcaggggtg gtggcaccgt tgaa 214
```

<210> 187

<211> 630

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 39, 63, 70, 111, 116, 199, 205, 209, 268, 277, 442, 448, 492, 511, 514, 520, 545, 546, 555, 596, 608, 611, 620

<223> n = A,T,C or G

<400> 187

```
cagctgggac gagtcgatca tatacggcgc atgtgttgna tcgctatcgt gtccggcgag 60
tanttattan attactgta tttctgctcc tactggatat gatctcttga nggcangtct 120
gtgtcgtctg gtcacacccat gttctcaggc tgggcaaata ccttcctata atagtttatg 180
gataatgaat gacgactang tctanaaana cgctagctaa ataacacact cagggaataa 240
gtcttaataa ttgtgaaggt gtttttanta tacaacnttt gtttacataa taggaaataa 300
tttttagact tttaaacaga cacttgagcc agatttgta atgttaccat ctatagtgtc 360
ttgaaaatat tcctcttagt ttccaatatg aatgaatcta aaatccatct tttcaattat 420
gccagggccc gtggccaatg cncctcnac acttcattaa cggattatac cttgggaaac 480
cataatctgg cntaggacga atcgctggc ncangctaan aactgccttg tattgagggg 540
ttatnnctga ttgcnaggt gcctctccag gtccccaag ggctgtactg ttgaanctgg 600
ctctaanttt ntcttgccn acaggtctcc 630
```

<210> 188
 <211> 441
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 3, 8, 12, 25, 31, 34, 43, 74, 76, 105, 106, 122, 158,
 204, 205, 224, 225, 230, 236, 260, 261, 270, 278, 288, 289,
 297, 335, 376, 388, 397, 398, 415, 427, 432, 438
 <223> n = A,T,C or G

<400> 188
 cnngcaanac anggtcggat tccgntgagg naanaattcc ctnatagggc tcgcccccta 60
 ttcaccaaac caancngaaa ctcttgcggt caaatctaag ctatnncaca accccactct 120
 gnagggtatg cgccccgccc ctgcaatgaa atcaatanca tatttgagaga cagagagata 180
 gagagagaga ggttctctggc cttnnctatt ctgctcttac ttggnagatn tcaganatag 240
 aaaaacctat cctaggtccn nccaatgatn gcggcttncg aatcccgngg tggccantcc 300
 ccggatcgga ctaaatcaaa gaagatcctc cgtcntcctg ttccctccaca ctggagtccc 360
 attgtatgca tgggtntttc actggctnat cataccnnag gatctgtcca ccttnaactc 420
 ttctctngga antccctncc c 441

<210> 189
 <211> 637
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 24, 36, 45, 58, 113, 119, 147, 193, 196, 227, 330, 347,
 387, 447, 450, 458, 460, 487, 489, 502, 518, 526, 535, 538,
 546, 558, 560, 613, 622, 633
 <223> n = A,T,C or G

<400> 189
 agggngtata taccacttg tactactcga tcatanacgc gcatntctga atcgcttntc 60
 ggccgcgatg tactgtgggc acttaagcac tgagtactgt ttgcgtcatg ccnggtcana 120
 agatgctgct gcaaaggac tccaacnaaa tacactgtct tcaacaggag ttaacacctc 180
 aacttggtg ganaanagaa ctactgggtg gtgatgcaca cgactgnatc catcaagtgc 240
 gtttgctgtg tgactgctaa ccaaggetct ggcagtacct gcccgggcgg cgctcgaaac 300
 caaatctgca aatatcatca cactggcggn cgctcagcat catctanaag gccatcgctt 360
 atagtgaagc tatacatcat gcccgcnttt aactcctac tggaaaacct gcgtaccact 420
 taatcgcttc acacatcccc ttctcgngtn gcttatancn aaaagccac gatgcctcca 480
 cattgcncnc tgatggcatg anccccttac gcgcatancc gcggtntgtg taacncangt 540
 accgtntcgc acgctacncn tcttcttct cctcttcccc ttcccgttcc tcaccattcg 600
 gggccttagg tcnatatctc gnccacccaa atntagg 637

<210> 190
 <211> 653
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> 29, 59, 112, 129, 134, 143, 157, 177, 180, 203, 247, 276,
306, 315, 320, 327, 334, 337, 363, 421, 424, 514, 523, 543,
571, 591, 593, 599, 610, 612, 618, 634, 637, 651, 652

<223> n = A,T,C or G

<400> 190

```

aggggggtata taccacttg tacgactgna tcatatacgc gcatgtctgg aatcgcttnc 60
gtggctgcc tgtattgaca ctacttctaa gaactacaaa agtgatactg angatacatt 120
acacagaang gctnacattc tcncagatcc tcatttntca tgatatgtgg acatcangan 180
cacgtggata agtgtatcta aanaatggct ttcaaaatat ttccacttta ttaagggttg 240
acatganatt cataaaatgt cttaatacta ttctnaaaaa taacatctaa tcggaaacta 300
tgcctnaact gcacnttttn tgtgtanata atcntanttg tacgcccggc ggcgccaag 360
ccnaatctgc gattcctcac ctggcgccgc tcaacatcat ctaaaggcca atcgccata 420
ntantctata catcctggcc gcgtttacac gtctaattgg aaaccggcgt accacttatc 480
gcttgacgca ctccccttcc cactgggtta tacnaaagcc gcncgatgcc tcccacattc 540
canctgatgc aatgaccctt gttegcctta ncccgcggtt tgtgtaccca ntnaccant 600
cagcgctgcn cntcttctt ctctcttctt gccnttncgt tccctcactc nng 653

```

<210> 191

<211> 663

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2, 5, 21, 59, 104, 113, 234, 256, 259, 264, 284, 290, 364,
418, 427, 433, 444, 456, 466, 525, 547, 553, 562, 564, 581,
613, 617, 640, 644, 661

<223> n = A,T,C or G

<400> 191

```

angnggtata taccactgt ncgactcgat catatacgcg catgtcggat cggtccanc 60
gcgcggcat gtactatata tacatcaact gtattatcat ttanatattg atnaaagaca 120
aatcatact tccatctgct cactgatgat aattactatg atacatgatc atgtaaagct 180
atcaatataa caatggaaga tccctctgac tatgcaagcc taattttcca atncatgca 240
ctctcatagc tcaaanatnt cacngacatc ctgatgaaac tatnatacan ttccacaca 300
aatcacttgc ctttagatct ctccattatt ctgcttttc cccctaaca actacaaatc 360
ctcntgggat gggaagaata tatatcatct actaaaaata atatataatc ccctgcanat 420
ttgtggnaaa tcnggtgtct caanagccac aggagnacaa ggggnacca actaggactt 480
ttgtatgett atctctgtac tcgcgcacac ctaagcgatt ctgcnattct ccctggcggc 540
gtcacanctc tanaggccat cncnatatga tctatacatc ntggcgtctt tacactctga 600
cggaaccggg gtnccantta ccttgacca tcccttcgcn ctgntatata aagccccga 660
ncc 663

```

<210> 192

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2, 31, 45, 48, 57, 63, 84, 94, 108, 125, 143, 161, 162, 174,
178, 184, 200, 201, 219, 228, 232, 239, 250, 258, 260, 262,

272, 281, 283, 291, 304, 316, 325, 329, 331, 339, 342, 347,
349, 353

<223> n = A,T,C or G

<400> 192

```
antttttata taccactgg tacaactcga ncctatacgg cgcanttncg gaatcanctt 60
cancggcgcc ggcatgtacc ggtnatcatc atcngatgat ggcgctcnaa tgtggggttt 120
acctnttata cggctgagat canatcgctg acataacaaa nncaactgat ggtnaatnta 180
aatncgggttg ggttctcccn ntctgttggg gaacttgana ctgagtngga cntccatana 240
cgtgctattn tcggctancn antcctcagc gnacacctat ngnagtgcgc naattcatcc 300
atgntggcct cgactnttcc aaaangcct ncgcccacnt gntcgcnana cantctcggc 360
c
```

<210> 193

<211> 314

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 7, 22, 101, 104, 232, 254, 282

<223> n = A,T,C or G

<400> 193

```
agggngnata taccaactgg tncgactcga tcctatacgc gcatttcgga ttcgcttcaa 60
cggcgccggc atgtacaaaa cctcaatccc aaccgtctca nttingacggg ctcagttctg 120
tcacagccac cccacatttc ttttgttttg tctgccactt caaaagaatt ccaaataaga 180
attctgctgc agctccgtac aaggatatgg gcagcacagc acacacagag tngtgcctct 240
cacacttctc tggnaatgtc tcgtgaatat ctcaacagtc angaagtggg gcgttatcaa 300
aaacaatcag ggcc
```

<210> 194

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4, 6, 22, 51, 64, 96, 108, 134, 156, 220, 221, 223, 264,
273, 287, 302, 304, 314, 325, 336, 343, 358, 360, 361, 375,
390, 428, 430, 443, 444, 446, 456, 463, 468, 474, 492, 509,
522, 525, 530, 533, 540, 549, 550

<223> n = A,T,C or G

<400> 194

```
agggngnata taccactgg tncgactcga tcctatacgc gcatgtcgga ncgctatgtg 60
gtncgcgaag tacctcttct gcagtgatgg tctgtntcct ctatgatnag tgatcgaata 120
atcatcgaat tancgaaaag ttattcgagt gatantgtg gcttgtagaa tctatgctcc 180
atggtgtggt cactgtcaag attaacacag aatggaagan ncngcactgc ataaaagatg 240
ttgtcaaatt ggggtgcgttg atcngatagc tcntcccaag aggtcantgg tgttcaggat 300
tncnacataa gatnttggat caccngacga ccagangata ccngtgcaaa ctgtgaancn 360
ngtaatctgc ctatncctgc cctctcggan gatccctcgg ggacgacgag atcattctgg 420
aaacagcnan tgatagtcca gttnnangatt gatgancgac ganacgcntg atanatgtct 480
gacgtgagat tnggatgtga atcttcccnt gtgtgacctg cncntaccn aanggtgcgn 540
```

ctccactcnn

550

<210> 195

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 2, 8, 34, 41, 50, 55, 56, 93, 99, 113, 123, 132, 143,
183, 214, 237, 244, 245, 255, 272, 293, 299, 301, 312, 335,
345, 346, 359, 363, 371, 379, 384, 387, 406, 412, 413, 420,
422, 434, 441

<223> n = A,T,C or G

<400> 195

```
nngcggnnat gataccaact ggtacgaact cgancctctat nacggcgctn tttcnngatc 60
tgctatgtgg tctcggaat gtacattata acnnggcana catataatct acntctgtct 120
ttntctcccc cngagagcgc aancatctcc aaatcgggtt ctgggtcatc caatgggtctc 180
cantaatcac acaactcata tatatttatg gaangtgtct gtcacgtcc ccacgangga 240
agtnncgtcg ctgtntgtct gtcactaggt gngtactctc cagtacttga aancctggtna 300
nggctgtctg tngtactggc cggcgccctc gaaancgaat ctgtnnatat catcacatng 360
cgncgcccga ncatcactna gggncanttc gcctatactg atcgtnntgcg annoctgcgn 420
cncttacacg tcgnacggga naccggcctt cc 452
```

<210> 196

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6, 7, 8, 21, 52, 103, 109, 201, 205, 222, 238, 277, 370,
400, 421

<223> n = A,T,C or G

<400> 196

```
gcggnnnnat gataccagct ngtagcactc gatcctataa cggcgcatgt gngtatcggc 60
tacgtgtctc ggcgatgtac atataacggg gcaacatata atnatacant ctgtcttttt 120
ctcccccgga aacggcaacc atctccaata tcggtctggg tctccaatgg tctccaacta 180
aatcacacaa gtcaaatata nttangaaa gtgtctgtct cntccccaga aggagtancg 240
ttagctgttg tctgtcatta ggttggtacc tccagtnaca tgaaaactgg tgagggtgtc 300
cttgtaaaag ctctgcctca ccagatccta tactattagg gggcccacgg ttatctatct 360
taagggtctn aaaacctgga cttcatctgc tccggcggan gaatgtcccg cttacttacg 420
ntgttccac 429
```

<210> 197

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 32, 38, 53, 57, 83, 100, 103, 115, 116, 124, 141, 145,

170, 192, 195, 207, 237, 300, 318, 326, 354, 361, 369, 377,
409, 411, 416, 452, 461

<223> n = A,T,C or G

<400> 197

```
atgatacgca gctngtacga gccgtcacta tnacggcnca ttgtgtggat tcngetntga 60
tcggcgcccg ggcatgtcca tcnagagcgc atcatgggan tgnactcccc atatinntgac 120
caangttcgc gcaaggagcc naganccgat actacctgag ctgtcgtctn gttatacacg 180
tttctggcca angancaact ccacatncaa caagttgggt ttgaaatgtt gtttatnagt 240
ccaccaaccg gccgctctgt ccttcccgga tgatccgaag ataagcttcc tgtccggaan 300
acgaacggcg tgggtgtgngg acatantgat atgtgcgggt caggaagtac tcgncgcaac 360
ncgcaagcna atctgcnata tcatcacctg gcggcgctcg agctgccana ngcccnttcg 420
cctatatgag tctatacatt cctggccgtc tnttacctc ngacgggaaa c 471
```

<210> 198

<211> 643

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2, 5, 38, 55, 62, 98, 112, 125, 259, 295, 414, 436, 437,
462, 521, 563, 574, 575, 587, 601

<223> n = A,T,C or G

<400> 198

```
tngtncgacc gtcactatac gcccatgtgt ggatccgntc cacggcgccg ggcangtacg 60
anactatatt gatcctctga tattgaaagt tggctctanca ataaccttta angcaaatca 120
ctcantgagt tttgaccaga agtcaccaca tcatgaatca cagtctatgg caaatgatac 180
cagtgtctct aagtcctatg ctcaaggtaa gagcatgcta ttccgtttta catttactgg 240
aatttactgt tcattcatna ttaaaatctc tagttttcat cctcaactgt ctaanaccag 300
tgtgcacaga cttaagactc tgttctctc attttctcca acagaaacat tctcagtgtc 360
tactgttcta aaagggaatt tccgaggtgg cacttctcgg aatatcgacc ctonggctct 420
atcaggcggt acttcnngca ctgcgcattt gggcttggtc anttgtctta tctgtccagt 480
cacttcattt taagaaaaca attgatcgct ggtcacatgt nattcattgg cagccggtgt 540
gactgctgag tctcgcgcac acnctagcaa tcggnattct ccatggngcg tcaactctcta 600
naggccatcc cctatatgat ctataatctg gcgtctttac act 643
```

<210> 199

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 6, 21, 39, 59, 87, 129, 165, 186, 223, 225, 231, 256,
257, 261, 268, 272, 279, 287

<223> n = A,T,C or G

<400> 199

```
ncggcnggag ttgcagttg nacgaccgat cctatacgnc gcattttctga tccgctaent 60
gtccggcgag tctatgctat ttatttntga ttaaataaat attttctttc tgaatattaa 120
tcttatctnt acttttatac tattgaccta gctatatgta ttganctttt tgaactccta 180
tcagtntttt tcatgctatc gtataatttc cacttgggtac ctntngctga ntccatagata 240
```

tctgtaaaaca tctctnnatc ntcacacnga gnccagggnt ctgtatngaa tt 292

<210> 200
 <211> 275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 24, 67, 75, 96, 135, 155, 162, 166, 173, 181, 192, 197, 204,
 225, 230, 244, 245, 254
 <223> n = A,T,C or G

<400> 200
 atacgcaagc ttggtaccga gctnggatec ctattaaccg gccgcaatat tctggaattc 60
 tgcttanecgt ggtcneggcc gaagtactat gctatnttac ttttttggga tataaaatca 120
 atatatcttct ttctnaagta tataaatctt atccnecgtat cnttcnatac ctntctgaca 180
 ntaagcttat angtatntga tctntgttga actcctatca agtgntttcn catgctatcg 240
 tganntcttc cacnttgga ccttttacgc tgaat 275

<210> 201
 <211> 284
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 4, 5, 16, 23, 94, 116, 121, 135, 141, 168, 171, 173, 185,
 196, 200, 212, 223, 224, 238, 239, 269, 271
 <223> n = A,T,C or G

<400> 201
 cgnnnatcca gtgtanaccg tcnttacgcg cattctgacg gttcacgccc gcgtotttat 60
 atctatctcg actgattcac ctgtcattgt aaanaattcg tgcagctgt ctaccnctta 120
 nacatcatct aatcnaacta nccgtataaa tttcttcaat agggatanac ntntagtaca 180
 tacgnttcca ttgagntacn tccgcggacc cncatcgcaa acnncatgcg gtcagtcnna 240
 gcacctctta tcttaatccg tccttacnt ntgaacgctc cact 284

<210> 202
 <211> 448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 93, 117, 124, 143, 144, 153, 172, 175, 186, 197, 203, 207,
 212, 258, 266, 269, 272, 280, 284, 287, 294, 299, 301, 309,
 311, 314, 345, 347, 358, 367, 369, 372, 378, 386, 388, 390,
 402, 415, 416, 432, 437, 439, 446
 <223> n = A,T,C or G

<400> 202
 atgatacgca agcttgtacg actcggatca tataacggcc gcaatgtgct ggaattccgc 60
 ttcgacggac gccgggcatg tacttttata atnctactcc tcagaccttg catctcnacc 120

```

gctnggtcca gtttgtaaaa acnnacttcc gtngtgcagc cctgggttctg ancantctct 180
atcacnctct atcctcncat ccncaanact anacgcgctg aattcatatt tattcatttt 240
ccataatgat gggggaanga ctatcnctna tnatgcttan cacnctngct gcanttcgnc 300
natctcgcn a ngcntgaaac gattactctg tcgcgaaccc tctangntga attctgcnaa 360
atatctntna cncctggcngg cgctcnangn atgcctctcg anggccaatc cgccnngcat 420
gattctaatt anaccntng gtcccntt 448

```

<210> 203

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 7, 18, 29, 48, 52, 71, 88, 91, 104, 109, 131, 143, 196, 201, 213, 248, 254, 261, 287, 291, 298, 303

<223> n = A,T,C or G

<400> 203

```

gggtgcnaga tcgcagtngt acgaatcgnt catatacggc gcatgtgntg antcgctacg 60
tgtccggcga ngtaccatat aatcgaanta ncatagttct ggangccnc tcattttcaa 120
tttcccaaaa nacgggaaaa ccnaagcctt atttaactaa ctatctgctc gcttctcgct 180
tctgtaccgc gctatntgct nccagcctat aanaagggtg aaacccacac tcgggtgcgtc 240
agtctccnat atantgagtc nccgggtact ggccgggcgg tcgttcnaaa ncaattcneg 300
aanttcacta ctggcggcgc c 321

```

<210> 204

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 5, 119, 137, 287, 289, 290, 326, 348, 355

<223> n = A,T,C or G

<400> 204

```

ntgtngtatg taccagtggt tacgactcga tcttagtacg gcgcagtggt ctgaatcggt 60
acttgctcgc gccaaagtatc tataaagcaa actatcacag ttctgaaagt ccatctcant 120
ttcagttccc aaaagancgg gaaaacccaa gccttattaa actaacaatc agtcgctctc 180
gcttctgtac cgcgcttttg gccccagcc tataaaaggg taaaacccac actcgggtgcg 240
ccagtcacgc ataactgaat cgcccggtac tgcccgggcg gcgctcnann ccaaattctgc 300
agatatcaca cactggcggc gctcancatg ctctagaagg ccaattcncc tatantgatt 360
ctattacaa 369

```

<210> 205

<211> 2996

<212> DNA

<213> Homo sapiens

<400> 205

```

cagccaccgg agtggatgcc atctgcaccc accgcctga cccacaggc cctgggctgg 60
acagagagca gctgtatttg gagctgagcc agctgaccca cagcatcact gagctgggccc 120
cctacaccct ggacaggggac agtctctatg tcaatggttt cacacagcgg agctctgtgc 180

```

ccaccactag cattcctggg acccccacag tggacctggg aacatctggg actccagttt 240
 ctaaacctgg tccctcggt gccagccctc tcttgggtgct attcactctc aacttcacca 300
 tcaccaacct gcggtatgag gagaacatgc agcaccctgg ctccaggaag ttcaacacca 360
 cggagagggg ccttcagggc ctggtccctg ttcaagagca ccagtgttg ccctctgtac 420
 tctggctgca gactgacttt gctcaggcct gaaaaggatg ggacagccac tggagtggat 480
 gccatctgca cccaccaccc tgaccccaaa agccctaggc tggacagaga gcagctgtat 540
 tgggagctga gccagctgac ccacaatatc actgagctgg gccctatgc cctggacaac 600
 gacagccctt ttgtcaatgg tttcactcat cggagctctg tgtccaccac cagcactcct 660
 gggaccccca cagtgtatct gggagcatct aagactccag cctcgatatt tggcccttca 720
 gctgccagcc atctcctgat actattcacc ctcaacttca ccatcactaa cctgcggtat 780
 gaggagaaca tgtggcctgg ctccaggaag ttcaacacta cagagagggg ccttcagggc 840
 ctgctaaggc ccttggtcaa gaacaccagt gttggccctc tgtactctgg ctgcaggctg 900
 accttgctca gccagagaaa agatggggaa gccaccggag tggatgccat ctgcacccac 960
 cgccctgacc ccacaggccc tgggctggac agagagcagc tgtatttggg gctgagccag 1020
 ctgaccacac gcatcactga gctgggcccc tacacactgg acagggacag tctctatgtc 1080
 aatggtttca cccatcggag ctctgtaccc accaccagca ccgggggtgg cagcaggagg 1140
 ccattcacac tgaacttcac catcaacaac ctgcgctaca tggcggacat gggccaaccc 1200
 ggctccctca agttcaacat cacagacaac gtcatgaagc acctgctcag tcctttgttc 1260
 cagaggagca gcctgggtgc acggtacaca ggctgcaggg tcatcgact aaggctctgtg 1320
 aagaacggtg ctgagacacg ggtggacctc ctctgcacct acctgcagcc cctcagcggc 1380
 ccaggtctgc ctatcaagca ggtgttccat gagctgagcc agcagacca tggcatcacc 1440
 cggtcgggcc cctactctct ggacaaaagac agcctctacc ttaacggtta caatgaacct 1500
 ggtccagatg agcctcctac aactcccaag ccagccacca cattcctgcc tcctctgtca 1560
 gaagccacaa cagccatggg gtaccacctg aagacctca cactcaactt caccatctcc 1620
 aatctccagt attcaccaga tatgggcaag ggctcagcta cattcaactc caccgagggg 1680
 gtccctcagc acctgctcag acccttggtc cagaagagca gcatgggccc cttctacttg 1740
 ggttgccaac tgatctccct caggcctgag aaggatgggg cagccactgg tgtggacacc 1800
 acctgcacct accaccctga cctgtgggc ccgggctgg acatacagca gctttactgg 1860
 gagctgagtc agctgacca tgggtgcacc caactgggct tctatgtcct ggacagggat 1920
 agcctcttca tcaatggcta tgcaccccag aatttatcaa tccggggcga gtaccagata 1980
 aatttccaca ttgtcaactg gaacctcagt aatccagacc ccacatcctc agagtacatc 2040
 accctgctga gggacatcca ggacaaggct accacactct acaaaggcag tcaactacat 2100
 gacacattcc gcttctgcct ggtcaccaac ttgacgatgg actccgtgtt ggtcactgtc 2160
 aaggcattgt tctcctccaa tttggacccc agcctggtgg agcaagtctt tctagataag 2220
 acctgaatg cctcattcca ttggtgggc tccacctacc agttggtgga catccatgtg 2280
 acagaaatgg agtcatcagt ttatcaacca acaagcagct ccagcaccca gcacttctac 2340
 ctgaatttca ccatcaccaa cctaccatat tcccaggaca aagcccagcc aggcaccacc 2400
 aattaccaga ggaacaaaag gaatattgag gatgcgctca accaactctt ccgaaacagc 2460
 agcatcaaga gttatttttc tgactgtcaa gtttcaacat tcaggtctgt ccccaacagg 2520
 caccacaccg ggggtggactc cctgtgtaac ttctcgccac tggctcggag agtagacaga 2580
 gttgccatct atgaggaatt tctgcggatg acccggaatg gtaccagct gcagaacttc 2640
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 ggagaatata acgtccagca acagtggcca ggctactacc agtcacacct agacctggag 2880
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<210> 206

<211> 914

<212> PRT

<213> Homo sapiens

<400> 206

Met	Ser	Met	Val	Ser	His	Ser	Gly	Ala	Leu	Cys	Pro	Pro	Leu	Ala	Phe
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Leu	Gly	Pro	Pro	Gln	Trp	Thr	Trp	Glu	His	Leu	Gly	Leu	Gln	Phe	Leu
			20					25					30		
Asn	Leu	Val	Pro	Arg	Leu	Pro	Ala	Leu	Ser	Trp	Cys	Tyr	Ser	Leu	Ser
		35					40					45			
Thr	Ser	Pro	Ser	Pro	Thr	Cys	Gly	Met	Arg	Arg	Thr	Cys	Ser	Thr	Leu
	50					55					60				
Ala	Pro	Gly	Ser	Ser	Thr	Pro	Arg	Arg	Gly	Ser	Phe	Arg	Ala	Trp	Ser
65					70					75					80
Leu	Phe	Lys	Ser	Thr	Ser	Val	Gly	Pro	Leu	Tyr	Ser	Gly	Cys	Arg	Leu
				85					90					95	
Thr	Leu	Leu	Arg	Pro	Glu	Lys	Asp	Gly	Thr	Ala	Thr	Gly	Val	Asp	Ala
			100					105					110		
Ile	Cys	Thr	His	His	Pro	Asp	Pro	Lys	Ser	Pro	Arg	Leu	Asp	Arg	Glu
		115					120						125		
Gln	Leu	Tyr	Trp	Glu	Leu	Ser	Gln	Leu	Thr	His	Asn	Ile	Thr	Glu	Leu
	130					135					140				
Gly	Pro	Tyr	Ala	Leu	Asp	Asn	Asp	Ser	Leu	Phe	Val	Asn	Gly	Phe	Thr
145					150					155					160
His	Arg	Ser	Ser	Val	Ser	Thr	Thr	Ser	Thr	Pro	Gly	Thr	Pro	Thr	Val
				165					170					175	
Tyr	Leu	Gly	Ala	Ser	Lys	Thr	Pro	Ala	Ser	Ile	Phe	Gly	Pro	Ser	Ala
			180					185					190		
Ala	Ser	His	Leu	Leu	Ile	Leu	Phe	Thr	Leu	Asn	Phe	Thr	Ile	Thr	Asn
		195					200					205			
Leu	Arg	Tyr	Glu	Glu	Asn	Met	Trp	Pro	Gly	Ser	Arg	Lys	Phe	Asn	Thr
	210					215					220				
Thr	Glu	Arg	Val	Leu	Gln	Gly	Leu	Leu	Arg	Pro	Leu	Phe	Lys	Asn	Thr
225					230					235					240
Ser	Val	Gly	Pro	Leu	Tyr	Ser	Gly	Cys	Arg	Leu	Thr	Leu	Leu	Arg	Pro
				245					250					255	
Glu	Lys	Asp	Gly	Glu	Ala	Thr	Gly	Val	Asp	Ala	Ile	Cys	Thr	His	Arg
			260					265					270		
Pro	Asp	Pro	Thr	Gly	Pro	Gly	Leu	Asp	Arg	Glu	Gln	Leu	Tyr	Leu	Glu
			275				280					285			
Leu	Ser	Gln	Leu	Thr	His	Ser	Ile	Thr	Glu	Leu	Gly	Pro	Tyr	Thr	Leu
	290					295					300				
Asp	Arg	Asp	Ser	Leu	Tyr	Val	Asn	Gly	Phe	Thr	His	Arg	Ser	Ser	Val
305					310					315					320
Pro	Thr	Thr	Ser	Thr	Gly	Val	Val	Ser	Glu	Glu	Pro	Phe	Thr	Leu	Asn
				325					330					335	
Phe	Thr	Ile	Asn	Asn	Leu	Arg	Tyr	Met	Ala	Asp	Met	Gly	Gln	Pro	Gly
			340					345					350		
Ser	Leu	Lys	Phe	Asn	Ile	Thr	Asp	Asn	Val	Met	Lys	His	Leu	Leu	Ser
		355					360					365			
Pro	Leu	Phe	Gln	Arg	Ser	Ser	Leu	Gly	Ala	Arg	Tyr	Thr	Gly	Cys	Arg
						375					380				
Val	Ile	Ala	Leu	Arg	Ser	Val	Lys	Asn	Gly	Ala	Glu	Thr	Arg	Val	Asp
385					390					395					400
Leu	Leu	Cys	Thr	Tyr	Leu	Gln	Pro	Leu	Ser	Gly	Pro	Gly	Leu	Pro	Ile
				405					410					415	
Lys	Gln	Val	Phe	His	Glu	Leu	Ser	Gln	Gln	Thr	His	Gly	Ile	Thr	Arg
			420					425					430		

Leu Gly Pro Tyr Ser Leu Asp Lys Asp Ser Leu Tyr Leu Asn Gly Tyr
 435 440 445
 Asn Glu Pro Gly Pro Asp Glu Pro Pro Thr Thr Pro Lys Pro Ala Thr
 450 455 460
 Thr Phe Leu Pro Pro Leu Ser Glu Ala Thr Thr Ala Met Gly Tyr His
 465 470 475 480
 Leu Lys Thr Leu Thr Leu Asn Phe Thr Ile Ser Asn Leu Gln Tyr Ser
 485 490 495
 Pro Asp Met Gly Lys Gly Ser Ala Thr Phe Asn Ser Thr Glu Gly Val
 500 505 510
 Leu Gln His Leu Leu Arg Pro Leu Phe Gln Lys Ser Ser Met Gly Pro
 515 520 525
 Phe Tyr Leu Gly Cys Gln Leu Ile Ser Leu Arg Pro Glu Lys Asp Gly
 530 535 540
 Ala Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His Pro Asp Pro Val
 545 550 555 560
 Gly Pro Gly Leu Asp Ile Gln Gln Leu Tyr Trp Glu Leu Ser Gln Leu
 565 570 575
 Thr His Gly Val Thr Gln Leu Gly Phe Tyr Val Leu Asp Arg Asp Ser
 580 585 590
 Leu Phe Ile Asn Gly Tyr Ala Pro Gln Asn Leu Ser Ile Arg Gly Glu
 595 600 605
 Tyr Gln Ile Asn Phe His Ile Val Asn Trp Asn Leu Ser Asn Pro Asp
 610 615 620
 Pro Thr Ser Ser Glu Tyr Ile Thr Leu Leu Arg Asp Ile Gln Asp Lys
 625 630 635 640
 Val Thr Thr Leu Tyr Lys Gly Ser Gln Leu His Asp Thr Phe Arg Phe
 645 650 655
 Cys Leu Val Thr Asn Leu Thr Met Asp Ser Val Leu Val Thr Val Lys
 660 665 670
 Ala Leu Phe Ser Ser Asn Leu Asp Pro Ser Leu Val Glu Gln Val Phe
 675 680 685
 Leu Asp Lys Thr Leu Asn Ala Ser Phe His Trp Leu Gly Ser Thr Tyr
 690 695 700
 Gln Leu Val Asp Ile His Val Thr Glu Met Glu Ser Ser Val Tyr Gln
 705 710 715 720
 Pro Thr Ser Ser Ser Ser Thr Gln His Phe Tyr Leu Asn Phe Thr Ile
 725 730 735
 Thr Asn Leu Pro Tyr Ser Gln Asp Lys Ala Gln Pro Gly Thr Thr Asn
 740 745 750
 Tyr Gln Arg Asn Lys Arg Asn Ile Glu Asp Ala Leu Asn Gln Leu Phe
 755 760 765
 Arg Asn Ser Ser Ile Lys Ser Tyr Phe Ser Asp Cys Gln Val Ser Thr
 770 775 780
 Phe Arg Ser Val Pro Asn Arg His His Thr Gly Val Asp Ser Leu Cys
 785 790 795 800
 Asn Phe Ser Pro Leu Ala Arg Arg Val Asp Arg Val Ala Ile Tyr Glu
 805 810 815
 Glu Phe Leu Arg Met Thr Arg Asn Gly Thr Gln Leu Gln Asn Phe Thr
 820 825 830
 Leu Asp Arg Ser Ser Val Leu Val Asp Gly Tyr Phe Pro Asn Arg Asn
 835 840 845
 Glu Pro Leu Thr Gly Asn Ser Asp Leu Pro Phe Trp Ala Val Ile Leu
 850 855 860

Ile Gly Leu Ala Gly Leu Leu Gly Leu Ile Thr Cys Leu Ile Cys Gly
 865 870 875 880
 Val Leu Val Thr Thr Arg Arg Arg Lys Lys Glu Gly Glu Tyr Asn Val
 885 890 895
 Gln Gln Gln Cys Pro Gly Tyr Tyr Gln Ser His Leu Asp Leu Glu Asp
 900 905 910
 Leu Gln

<210> 207
 <211> 2627
 <212> DNA
 <213> Homo sapiens

<400> 207
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 tagcatcatc attattctgg ctggagcaat tgcactcatc attggctttg gtatttcagg 180
 gagacactcc atcacagtca ctactgtcgc ctgagctggg aacattgggg aggatggaat 240
 cctgagctgc acttttgaac ctgacatcaa actttctgat atcgtgatac aatggctgaa 300
 ggaaggtgtt ttaggccttg tccatgagtt caaagaaggc aaagatgagc tgtcggagca 360
 ggatgaaatg tttagaggcc ggacagcagt gtttgcctgat caagtgatag ttggcaatgc 420
 ctctttgagg ctgaaaaacg tgcaactcac agatgctggc acctacaaat gttatatcat 480
 cacttctaaa ggcaagggga atgctaacct tgagtataaa actggagcct tcagcatgcc 540
 ggaagtgaat gtggactata atgccagctc agagaccttg cgggtgtgagg ctccccgatg 600
 gttccccag cccacagtgg tctgggcac ccaagttgac cagggagcca acttctcgga 660
 agtctccaat accagctttg agctgaactc tgagaatgtg accatgaagg ttgtgtctgt 720
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 catattagaa gttgggaaaa taattcatgt gaactagaca agtgtgttaa gagtataag 1200
 taaaatgcac gtggagacaa gtgcacccc agatctcagg gacctcccc tgctgtcac 1260
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 attccacaaa ttaagctgta gtatgtacct taagacgctg ctaattgact gccacttcgc 1440
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 gaaggacctt tcaccttgac tatatggcat tatgtcatca caagctctga ggcttctct 1740
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 cagctggggg gatttcgccc cccatctccg gggaatgtc tgaagacaat tttggttacc 1860
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 tgctgtcaa cctcctacca tgtacaggac gtctcccat tacaactacc caatccgaag 1980
 tgtcaactgt gtcaggacta agaaaccctg gttttgagta gaaaagggcc tggaaagagg 2040
 ggagccaaca aatctgtctg ctctctcaca ttagtcattg gcaaataagc attctgtctc 2100
 tttggctgct gcctcagcac agagagccag aactctatcg ggcaccagga taacatctct 2160
 cagtgaacag agttgacaag gcctatggga aatgcctgat gggattatct tcagcttgtt 2220
 gagcttctaa gtttctttcc cttcactcta ccctgcaagc caagttctgt aagagaaatg 2280

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cctgagttct agctcaggtt ttcttactct gaatttagat ctccagaccc ttcttgcca 2340
caattcaaat taaggcaaca aacatatacc ttccatgaag cacacacaga cttttgaaag 2400
caaggacaat gactgcttga attgaggcct tgaggaatga agctttgaag gaaaagaata 2460
ctttgtttcc agcccccttc ccacactctt catgtgttaa ccactgcctt cctggacctt 2520
ggagccaagg tgactgtatt acatgttggt atagaaaact gattttagag ttctgatcgt 2580
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<210> 208

<211> 282

<212> PRT

<213> Homo sapiens

<400> 208

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          20           25           30
Gly Arg His Ser Ile Thr Val Thr Thr Val Ala Ser Ala Gly Asn Ile
          35           40           45
Gly Glu Asp Gly Ile Leu Ser Cys Thr Phe Glu Pro Asp Ile Lys Leu
          50           55           60
Ser Asp Ile Val Ile Gln Trp Leu Lys Glu Gly Val Leu Gly Leu Val
65           70           75           80
His Glu Phe Lys Glu Gly Lys Asp Glu Leu Ser Glu Gln Asp Glu Met
          85           90           95
Phe Arg Gly Arg Thr Ala Val Phe Ala Asp Gln Val Ile Val Gly Asn
          100          105          110
Ala Ser Leu Arg Leu Lys Asn Val Gln Leu Thr Asp Ala Gly Thr Tyr
          115          120          125
Lys Cys Tyr Ile Ile Thr Ser Lys Gly Lys Gly Asn Ala Asn Leu Glu
          130          135          140
Tyr Lys Thr Gly Ala Phe Ser Met Pro Glu Val Asn Val Asp Tyr Asn
145          150          155          160
Ala Ser Ser Glu Thr Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln
          165          170          175
Pro Thr Val Val Trp Ala Ser Gln Val Asp Gln Gly Ala Asn Phe Ser
          180          185          190
Glu Val Ser Asn Thr Ser Phe Glu Leu Asn Ser Glu Asn Val Thr Met
          195          200          205
Lys Val Val Ser Val Leu Tyr Asn Val Thr Ile Asn Asn Thr Tyr Ser
          210          215          220
Cys Met Ile Glu Asn Asp Ile Ala Lys Ala Thr Gly Asp Ile Lys Val
225          230          235          240
Thr Glu Ser Glu Ile Lys Arg Arg Ser His Leu Gln Leu Leu Asn Ser
          245          250          255
Lys Ala Ser Leu Cys Val Ser Ser Phe Phe Ala Ile Ser Trp Ala Leu
          260          265          270
Leu Pro Leu Ser Pro Tyr Leu Met Leu Lys
          275          280

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<210> 209

<211> 309

<212> PRT

<213> Homo sapiens

<400> 209

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Ser	Thr	Gln	Ile	Arg	Trp	Glu	Pro	Ser	Pro	Ala	Met	Ala	Ser	Leu	Gly
		20						25					30		
Gln	Ile	Leu	Phe	Trp	Ser	Ile	Ile	Ser	Ile	Ile	Ile	Ile	Leu	Ala	Gly
		35					40					45			
Ala	Ile	Ala	Leu	Ile	Ile	Gly	Phe	Gly	Ile	Ser	Gly	Arg	His	Ser	Ile
	50					55					60				
Thr	Val	Thr	Thr	Val	Ala	Ser	Ala	Gly	Asn	Ile	Gly	Glu	Asp	Gly	Ile
65					70				75						80
Leu	Ser	Cys	Thr	Phe	Glu	Pro	Asp	Ile	Lys	Leu	Ser	Asp	Ile	Val	Ile
				85					90					95	
Gln	Trp	Leu	Lys	Glu	Gly	Val	Leu	Gly	Leu	Val	His	Glu	Phe	Lys	Glu
			100					105						110	
Gly	Lys	Asp	Glu	Leu	Ser	Glu	Gln	Asp	Glu	Met	Phe	Arg	Gly	Arg	Thr
		115					120					125			
Ala	Val	Phe	Ala	Asp	Gln	Val	Ile	Val	Gly	Asn	Ala	Ser	Leu	Arg	Leu
	130					135					140				
Lys	Asn	Val	Gln	Leu	Thr	Asp	Ala	Gly	Thr	Tyr	Lys	Cys	Tyr	Ile	Ile
145					150					155					160
Thr	Ser	Lys	Gly	Lys	Gly	Asn	Ala	Asn	Leu	Glu	Tyr	Lys	Thr	Gly	Ala
			165					170						175	
Phe	Ser	Met	Pro	Glu	Val	Asn	Val	Asp	Tyr	Asn	Ala	Ser	Ser	Glu	Thr
			180					185					190		
Leu	Arg	Cys	Glu	Ala	Pro	Arg	Trp	Phe	Pro	Gln	Pro	Thr	Val	Val	Trp
		195					200					205			
Ala	Ser	Gln	Val	Asp	Gln	Gly	Ala	Asn	Phe	Ser	Glu	Val	Ser	Asn	Thr
	210					215					220				
Ser	Phe	Glu	Leu	Asn	Ser	Glu	Asn	Val	Thr	Met	Lys	Val	Val	Ser	Val
225				230						235					240
Leu	Tyr	Asn	Val	Thr	Ile	Asn	Asn	Thr	Tyr	Ser	Cys	Met	Ile	Glu	Asn
			245						250					255	
Asp	Ile	Ala	Lys	Ala	Thr	Gly	Asp	Ile	Lys	Val	Thr	Glu	Ser	Glu	Ile
		260					265					270			
Lys	Arg	Arg	Ser	His	Leu	Gln	Leu	Leu	Asn	Ser	Lys	Ala	Ser	Leu	Cys
	275					280					285				
Val	Ser	Ser	Phe	Phe	Ala	Ile	Ser	Trp	Ala	Leu	Leu	Pro	Leu	Ser	Pro
	290					295					300				
Tyr	Leu	Met	Leu	Lys											
305															

<210> 210

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 341, 447, 451, 458, 535, 573, 650, 681, 683, 725

<223> n = A,T,C or G

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<400> 210
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aggcccgacc gctccctgag agccagcaac gggcagtgat gtttagcccc gaggaaaaat 120
tacatgcgga atggaaagca ggcgctcagg gtggctcctg ctggaatgag agctggagtg 180
caggctccgt ggttcctggg catgcgggtg tggctcagtt ctcaccttgc agatggagtg 240
ggactgttga cccaggccag cctggggact gcctcctcac ctccctgcgc aggctgacct 300
tgtcaccttg cctcttgagc ttgcctctct cctgcccaga ngtccttggg gcaaaatgga 360
ggtcgagagg catttggcac tcacgcctca ccacggacac tgggtgcatc ttgggtacct 420
cttggcctca atctattgct gggggganga ngactganc ccattgctgg ggccctgaat 480
gcagggaactg taaccaccca tccccttctc agggcacctc tccctctcca gcacncttgc 540
tttgctatta atgctaccta atttctact gangtggctc agaagctcct ccgccattgc 600
ccttgccgcc agcaaatttt tatccctagg gttaagataa cagaaggcan ccttgggcct 660
tgctgccac attctcaggt ntncactgaa gcacagtatc tatttctcca aaaatagggg 720
ctgtnaactt gttactacco cc                                     742

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<210> 211
<211> 946
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 530, 540, 574, 608, 661, 719, 722, 734, 735, 785, 786, 807,
811, 827, 829, 835, 840, 865, 877, 894, 898, 899, 921, 924,
927, 935
<223> n = A,T,C or G

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<400> 211
ggcacgaggc acatcgctgg atttctcatt gccaaagctct attaatcat tctttttcat 60
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attcctactt ttaaaggtct aatttcttta ttactttatt tctctgggag tgagtttttc 180
ctaaagggat aatgagatgg aaaatgaaaa aacaaagttg agacatggag ataccttctg 240
aaactcaagc attcctctac gtggatgtgc cagagggaaa gaacagaaca aaggagggtg 300
gacactatit aaataaaaa atataagaat attacataac aaacaaaaaa gcccaaattc 360
tcaggttgaa aaggaggaga aaatgtcaag caagacaaaa acagatgaag caaccaaaaa 420
agtgacatag ctggtcacct atattgaaat ttcagaacat gagtgataaa ggactcccag 480
aaaaaaacaa aacccaaact aaaaaacaga aaaaaaggac ttaccaccn aaaacttgan 540
gaatcaggaa gactcagtct ctcattaaga aaantgctat aggggatggg ggcaaggcct 600
tcaaagtngc aggggatacc aataacctct ctgaagtttt ggaacttcat actccaaaat 660
ngaatttttg tttgaatagc cccggttagg ggccaatttt aggacttaga aaggaccng 720
gnaaatcatt cccncttgc ccccccgaa agaaattaat agaaggggtt tattcccgcc 780
attannaaaa aaggaatcca ggaattnccg nttttttcca gtgttangnt ggggntgtan 840
aaactgaggg cttagcaagg gcggnattaa ccaccnngg tcccacccca aaantggnng 900
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```

```

<210> 212
<211> 610
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 67, 278, 281, 287, 401, 462, 483, 486, 532, 542, 547, 562,

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563, 585, 593

<223> n = A,T,C or G

<400> 212

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gtggtangag ggcaaccagt aacgggagct tctcctgccg gccaggaaga cgagtagaag 120
ggagcggcat gctggaggct ggagcctgag cccctggggc tcgccttgct gtgtttggtg 180
gtgacgtggg aactgcagc tcggccagag tggtaaaaaa tgccttggtg tacgcttttc 240
tggctttgcc cgtctatctg ctccaagcca ggctgganga ngagganaag gaatcacctg 300
tggtagctg gagcctgcat gtggcgtgac tctgcaactc gcctcgtgtg actgatggca 360
gccacggaga ctgcagctcg acaggagtg aggcttctca ntggcttgaa agctcagctg 420
actcccacga aatttgccgg aaactcaagg ctgtcagtga cnttcgtggc gccaaagactt 480
aancangcgc gttgcatgca tccggccagt gtctgtgccg cgtgccctga cnccaccttg 540
anataancac ccggaacgcg cncgcgcgag gccgcgcgca cacgnccggg cancaacttg 600
getggcttcc                                     610
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<210> 213

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5

<223> n = A,T,C or G

<400> 213

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ttccattgag agtcaaaaac atattgatat gattattatt ggtctgttaa agaaaacaaa 180
ataaaaagaa caaactggga attatcaata aacaaatcaa aacttagatg taattataac 240
ctaaagggct cacagggcaa atgtgaagca agcttctgtc tcagagcctg catatggaag 300
acatgtagta cttagctttg gcacttttct ttctcctctt tggttgagtt taagtattaa 360
taaaaggtgg actgagaaaa ccttttttta caatcttatg gggatatttt agtggaacag 420
ttttagaagt aggaatat                                     438
```

<210> 214

<211> 906

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 302, 324, 432, 444, 461, 498, 528, 561, 585, 617, 645,
660, 669, 699, 701, 760, 781, 824, 835, 849, 863, 872, 875,
881, 888, 893

<223> n = A,T,C or G

<400> 214

```
gccctctaga tcgngcggcc gccctttttt tttttttttt gaaataaatt totagattat 60
ttattacata agcagaccac tgaaacattt attcaaaagt attccattga gagtcaaaaa 120
catattgata tgattattat tggctctgta aagaaaacaa aataaaaaga acaaactggg 180
aattatcaat aaacaaatca aaacttagat gtaattataa cctaaagggc tcacagggca 240
aatgtgaagc aagcttctgt ctcagagcct gcataatggaa gacatgtagt acttagcttt 300
```

```

gncatctttc tttcctcctc ttgnttgagt ttagtattaa taaaagttgg actgagaaaa 360
ccttttttta caatcttatg gggtattttt agtggaaacg tttagaagta gaatatacat 420
attaaaactg cncagaacaa atgnggtgca tctcaaattg nggtccattt tcaaaatatg 480
aacacatatg ggcagcantt ttttttttaa aaagtcagaa ggggcctnct catgcccctt 540
tcactttctt cactcattgg nccttcaacc caagcttaac tactntcctg acctccaaca 600
tcataaaacta gtttcnagc tttgaaactt ttttccaatg agtcntaccg gaatagatgn 660
tcacagaanc ctcttaaaaa ttttggaccc tgcccgggnt ntaaaaaggg tgcaataaac 720
ccaccaacat cttggctggg ggggcagggg ccaaaagaan ttcccaaac cgtttttgat 780
naaaaaaggg gacttttgaa aaaaaaatta aaatttttgc cagnaaagca tgggnccccc 840
cccttgaana aacccctgc atnaaaccaa cntntggga nttttttngg tanggtttt 900
ctggct                                     906

```

```

<210> 215
<211> 312
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 188, 294
<223> n = A,T,C or G

```

```

<400> 215
ggcacgagga aaccaggttg gctgggtttt gggtgtaaac ttaaaaatga caatcagcat 60
gagctggccg tgggctgtgg ggggtgtagg ggcattcttg taagggaacc ctgcgtcagt 120
ccctctctgt tctgggtggg aggacaagga gggccaatag gggccaatag ggaggtctgt 180
gctaggangg tttcctaaaa gaacaggtgt agggctaggg ctggttctta gttcaggttg 240
ctctgggcag tgatttatat ccacacacct ttctgcaaag tgctctaagg aganggcagg 300
gataggagtg tc                                     312

```

```

<210> 216
<211> 341
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 14, 30, 40, 45, 51, 69, 84, 91, 95, 112, 115, 117, 136,
142, 145, 176, 189, 191, 226, 227, 231, 236, 294, 314, 331,
332, 340
<223> n = A,T,C or G

```

```

<400> 216
taagcctntc gaanataatg aatgagtcn ggagaggctn atgangaaat nccaaacacc 60
tgactaatng gtgccacatg attncaatgg nctanacatg ggtagatct cntcngnga 120
atgagcaata acaccnttaa antcntcaat tgacctagac acttcacact tgaaanatca 180
tcacttttna ngaccacgaa tgatgcttaa gaatcacatt ttgtgnngaa ntggantctg 240
gctacttaca cgaacagatt cttattcctg ttcattgagcc agtagaccg gaanaagact 300
taagagcttc tganctttct cttagctcca nngcttgaa g                                     341

```

```

<210> 217
<211> 273
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 2, 8, 15, 18, 36, 41, 59, 60, 70, 77, 81, 91, 96, 97,
101, 110, 123, 149, 173, 174, 176, 191, 195, 202, 218, 227,
228, 232, 241, 244, 253, 262, 269
<223> n = A,T,C or G

<400> 217
nnccttcncc ccttnacnga catgaacaaa acagcngtct ngaaatttta ttaacattnn 60
aagggttacn ctccctnctt ntgttttccg ntaaaanncta nacctgcgcg ggggcggccg 120
atncagccct atagtggagaa gcctaattnc agcacactgg cggccggttac tanngnatcc 180
cgactcggta ncaanttttg gngtaaagat ggacatanct ctatccnnga gnactcgtca 240
nccnttctct atnttacatg cnctaacgna gac 273

<210> 218
<211> 687
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 56, 59, 74, 123, 138, 169, 177, 183, 187, 205, 227, 229,
237, 238, 245, 253, 329, 334, 372, 456, 474, 480, 516, 558,
563, 564, 584, 593, 599, 611, 636, 639, 670
<223> n = A,T,C or G

<400> 218
ttttcagtgc tgttttggtc tcaattttga tgtcaaaaatc tctgggttct tctaancntng 60
ttatgttctt ccancaaadc cttccagttt ttgtaatttt tttctatata agaagcgcc 120
gancccaatg cccaattnat acaccggtct tctccggaac gcttgggtcna aagggtntag 180
tcnattnngc tcttgggaagc atctnaaatg ctccaggtta ctcccangnc cctggannac 240
ttcanttgtc tanacgaatc ctgggttttcg agcgggtcctt gatatacgaa ggaaatacgg 300
taaaaattat ccaagctctc ttcccactna gganttcgga tctcatcagc cgggtaaagg 360
aaaactcctc angaagtttg ggcttcccct ccggtctacc ggctaattgtt aggaattact 420
tctggctctc ttccgataca tctctccttc aaagtnaaga aggttaaaag aatnttaacn 480
tctcccagtg gctaattggtc aaacaccatc ctcatnagtc agactggggt ttcgaaagga 540
ggatataacc tccttgcnag tttnnaattaa aagggattaa ccanatggac tanccctcnc 600
cccgggattt nctctctcac aggagaaggg gtctcncncn ttgggtcctc cgaagcatag 660
gcaaaccnccn ggaatttttc agaaaacc 687

<210> 219
<211> 247
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 10, 16, 54, 74, 89, 91, 118, 122, 130, 131, 138, 147, 154,
156, 163, 184, 185, 215, 233, 241
<223> n = A,T,C or G

<400> 219
gggcccttcn cctttnaatc gagagatcca aggttcaagg catgaaatac cagnctataa 60

```



```

aatgtctcaa gacntaaata atacggatng ngatagagag gttgaataat aaatgaanaa 120
anatgaaagn nattatgngg gaatacnaaa aaancngact aanggcggca ctgctgggca 180
tggnnaaatc ggattaattc ctcataggac agcnaaccc cttaaaatct cantttccgt 240
naccgga                                         247

```

```

<210> 220
<211> 937
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 73, 867
<223> n = A,T,C or G

```

```

<400> 220
cgggctcgag tgcggccgca agcttttttt actatagacc aatattaaag tcagttaaagt 60
tccaaataca ganttggaaa actaaagtaa aatatttaat gggagaatat ctgcatctga 120
atatgtcaac tgtttgctat ttttcagcta tttaatcctt ctacctgtat ctcagaaaca 180
aatttaaaaa ttaatagatt tgacagcaaa atcattcagc actttactta ctccatcagc 240
aagggtattta tgtagtcatt tccatccatg tggccaaact gaaaatccct aaccaccacc 300
aaccaaaaat aaataaataa aaggagaggg ggtgggggga gagagagaga gaaagctcat 360
taaataagtaa aaaagtaaat aaaacaatga agttaaattc aggcctcagt aggccagaa 420
actgtaaaca tttcacatgt aaatcatata caataaacac tgctaaaagt gtaaattcta 480
ctggcttctg agatacaaat acacgagtag aggaaattct aagacatttc tacttggttt 540
atgcatattt aaaattcagg gaaatatcag ctattctacc tgaaatatgt ttaagaaaaa 600
ttcctatttt ctctaaaaaa aggaataatc agaagacgct acatactatg taagaaaact 660
atacaatgac ccatcattag aagattcaga ataggaaaga aataataatt cactaataaa 720
atatatttat attgactgtc tttttttatt cagttattct tttgagtttc tgttagaata 780
atatatgtat ttccgatgcc attttttatt cagttattct tttgagtttc tgttagaata 840
attatctgcc tatctctgac ttctgancag tcattttatgt ccaattataa gtacatgtgc 900
atattttatt accttaaagc cctctcaaat ccttttca                                         937

```

```

<210> 221
<211> 353
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 7, 8, 9, 12, 13, 16, 20, 24, 27, 29, 30, 45, 50, 88, 126,
269, 287, 293, 309, 310, 311, 312, 320, 328, 329, 335
<223> n = A,T,C or G

```

```

<400> 221
ggctatnnna tnnntntaan atcntgcnnc ccttgacgct gttantaaan aaaaacaaac 60
gaatatcctt tttttgctcc ccctgtnc a gataactaat tcacactaat acttacagta 120
taactnttcc tttcaactac caatattaag ttccaagcca cctgggctta agtatcccaa 180
caacttaggt aatttggtgc taaccaccat actatatgct aattataaca ctctaagccc 240
caaggaattt ttgttcagat ttcttatant ttccacttat aaatatnatt cncctctat 300
gggtatatnn nncctctagn cccatatnnc ccacngggat ttgttgaggg ggc          353

```

```

<210> 222
<211> 813

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 638, 661, 664, 694, 709, 717, 722, 726, 743, 750, 752, 759,
760, 766, 784, 790, 799, 800
<223> n = A,T,C or G

<400> 222
ggcacgagggc ttactaagg ccagactcac tatccccgct tctgttctgt ggtacactgt 60
tcaactcctca gtccatccta acctgacttc ctggccactg cagctcttcc gataagggtc 120
agcagtggct tagttattgc taaataataa gcgcacatgc actccctctt tctgaaaca 180
ttgtccctcc ttggtttctg ttcttctcta ggtctcctat cactcctcct tagtcttctg 240
tgcggaacttc tgttccttct gccctttaaa agttgggtatt ttccaggatt ctgtcctagg 300
cccacttact tctcattctg cacgttcttg ttggatgatt ctatcacatc cctaacttct 360
gctgcccagt atgcacttaa aattcccaaa tctgtatatc tggatctggc ctgtgtctct 420
agcctagaag tgtgctttat ccagaagca cctcaaacac tgcacttttg aaattaagct 480
tactgagtct cgagtctcaa gtcccaaaact gacttctttt tctctatttt ggtagtgac 540
aacactattt attcagtcac gcaaaccaga gccctgagaa ccatcttaca ttctctttct 600
ccctttactc agttcttgct tctgttcttt ctctctcncc tctctgcct gtgggcctag 660
nggncattaa ctggttgga ctgctttact ttcnattttt ttggctganc taaccnaag 720
ancctnttgt aggggccttt ctntcaggcn tnaactctnn caagancccc cgaaaccaga 780
tcnnggggan tgctatggnn tggaaatatt ttg 813

<210> 223
<211> 882
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 753, 781, 810, 829, 835, 861, 863, 871, 875, 880, 882
<223> n = A,T,C or G

<400> 223
tcacactact gagaagcagg gaaaccact gaaagggcac gtttcttaac ctcagaatgg 60
ggctactagc ctctaaagca ggaattgctg tttgtttagt atttccatgg tctgctgcaa 120
ggcgtggcct ttacccaatg gataaatgct tacaaggctc ttgtgagcag tcaagtttct 180
cgaggtttac agttgaaggg aagtgggatt gttttcctgc gcatttaaat gaaggtaggt 240
gggtgatcac ctttctttaa atgtgtgaag ggatgagata aagagatagg catcttaatt 300
gccactgatg gccttcaggt gaggacaggc atgagccaac tgaagctttg acaattgtgc 360
tgaaccctaa acttcaaaaa caagaaaaaa catagactgg ctgaaatgat ctaagtcaac 420
agagcatggc cagcgettca tacaaggcag gaccacaggg gaacactgac agcccaggag 480
gcaactgagc agaggcagtg ggaagaagtg acagacccca gggactcccc accaacagca 540
gctgctgttg attaggaacc ccagtagac tgtcaggcac ctggtagtgg agaggctacc 600
aaggcccgga ctggagagga gccaaaggaa gaaacagtgc agtgcttaga cccctctggg 660
tctgcccgtg tccatacccc tagggagatt ccattccaga agtggacata ttcccacaga 720
gtgcctgggg ctcactcatc acagc-gccc ctncatgaag gcattctcac tgcagcctta 780
ncagggaaca gggtcatttg cattaggcan cttgtgtgcc tagaaggcnt cggngtccc 840
tacactgccc atgttcccaa nngngttcaa nctcnaaaan tn 882

<210> 224
<211> 660

<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<222> 77, 104, 116, 157, 169, 198, 253, 273, 325, 327, 330, 336,
350, 357, 361, 400, 434, 443, 478, 511, 555, 582, 596, 613,
622, 641, 651, 660

<223> n = A,T,C or G

<400> 224

```
gattaaactc aatcattcac ccgggctcga gtgcggccgc aagctttttt tttttttttt 60
tttttttttt ttttggncct ctgggcttgt gcccggaagg ggantgctgg gccacntggg 120
tgtccgtggt tgattttctg ggacctgccc ccccgtnccc cgccccggnt gccgcgtctc 180
actccccgcc gcggtgcnag gggccccgtg tgccgcgcac ccttccaccc gtgttttgct 240
gtttttttga ctntgggcgt ccaggggtg cancggccgt ggggccctgg ttgtctttca 300
cctcttcate tgctcactgg ccgcnantgn gtcttnttca aacaaacgtn tgaaggnaaa 360
nccctgggct cctgtgaacc cggccgtctt tgcggcaaan tctgaggctc cttcgttatt 420
ctggatccgg cctntggtcg gangcgtgct ctgcaggcac tgcctccatt gctggcancc 480
ttttctcccc gtggccgccc ggccgcccac naaaggcgtt gcaaacgccc gccctcgcca 540
gcgcaaagtc aaacnccggt ggcccgcgga cccccggcg gncgggaaca cccancagg 600
cgggcaccac aanaagcgcg gncctccggc gtctaaaact nccatgtggc nccccccgn 660
```

<210> 225

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 62, 171, 179, 192, 209, 278, 287, 292, 362

<223> n = A,T,C or G

<400> 225

```
aaaaaaaaag gaaaagtacc cagtgtcttc agcttctgag cctcctctac agccctgttg 60
gnttttaaac ctgtgccctg tgtctgtgtc ccacttaat atatatagta cacagctgga 120
gagatggctc agccaggaga gggaccata ggtctgtgaa ttccagagga naggcaggna 180
tttatagggt gntctgtcag gtgaaatcng aggagccaaa gctattgtat gtgcatatgt 240
cagccgggct ctgtgggagg tgggtgaaga cctatggnat gggacangtg tncacgctgg 300
gatctctggc cggttccgaa aagtgaggat caggtagtgg gtggetgatt gcacaagttt 360
anaaccagg attagggaca cacaggtcag cacctgcttc tcagcatcct gactgggtgt 420
gatgggcata ctcaaggc 438
```

<210> 226

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 416, 422, 451, 466, 470, 479

<223> n = A,T,C or G

<400> 226

```

aaaattaaaa ccaaaaggat cttagaggtc ctttacttca gtggttctca atgtcagagg 60
atgttatgat acctaataa aatctccagg ggaactgttt tgaactcaac agactctctc 120
ctgtttctgag agactctggc aaagttggga gagctgccag gtactgtcca catgacctg 180
actgcccattg attcaattac cttgaatggc ttatccagtc caataccttc atttcttaca 240
tgaggaaaact gaagcacgta tcacatagtg atacaatgaa aacttggcct taatcgattt 300
tcagtgtctgc cagtacaatg tcttgagcat atcaatttct tccaaccctt gacaacataa 360
ggtacgacca tcaaattttt tatttctgct aatttattag accaaaaaaa aagggnatct 420
onccattgtg tttacaggga tgattttatt ncagaggatt tcatcntggn gctgattcnt 480

```

<210> 227

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 312, 395

<223> n = A,T,C or G

<400> 227

```

cattgtgttg ggctctgctt agcacatcac atcggagcac agaggtgacc tgttctgcca 60
cagggatgtt caccttagtc acctgattga ttctcttca ctttggtcac gtgattcctc 120
caggaggatg ttcaccttgg tcgcttgatt cctccaggag gatgttcacc ttggtcgctt 180
gaccacacag gcatttatca ggttttctca ctgcagccac tatgtcccca taatggatga 240
gtgtcttctg gagagatagt ccaaagtaca ctgatacctt ttgcctcata cggcctcacc 300
ccccaacaat cnaccactaa tgactgcctc atagcagttt ttccatttcc acagttcctt 360
ctatatgtat taattgtcat tctactataa agaanaactt ttctttttaa aaaaaaaaaa 420
aag 423

```

<210> 228

<211> 249

<212> DNA

<213> Homo sapiens

<400> 228

```

cattgtgttg ggctgtagta aaatatgtgt ctggtgaagat atgtgaagaa ataaaataag 60
atcaattaaa tctggcccat tgaatgacac attaatgtga tattaatatg taatgtttaa 120
gatattagga gatggtggga cattatggca aactaaattt gggaggagggt tgaattgtat 180
aatttatgaa atcctaaagt ctagtacatt aacactctct actgtcaact tttcaaagca 240
gtgagaaac 249

```

<210> 229

<211> 436

<212> DNA

<213> Homo sapiens

<400> 229

```

cattgtgttg ggatgttatc tgaccatcac aatatgattt ataatatgga ggcattgaagt 60
catttctcat tggggcagga gtgtggcaag ggggaagaag agctttacca attaactcaa 120
gattatttgg tgacatttct cttacctttt aggtgaggag aaagagacag aggatggaga 180
attggtgctt ttagtatgct gatacattaa gctgcctgga agcagatgct aaatcctatt 240
gaaaataatt ttatttgcgt tttgcttagg gcattgttta gcaaaatact acacaaaaag 300

```

```
tcttgacctg tgtgtttgaa atggcagatg ttcacagtga ggactgagcc ttgggggcaac 360
atcaatcttc acaattctgc acctatttgc tcaataactg gcttggttgg aaaaaaaggg 420
aaaaaaaaaa aaaaag 436
```

<210> 230

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13, 14, 27, 66, 105, 194, 227, 239, 520, 537, 563, 597, 604,
646, 675, 686, 704, 716, 751

<223> n = A,T,C or G

<400> 230

```
cattgtgttg ggnngtggaa ggaaaanttt gaggcaatga agctaaacat aaaagaggaa 60
aagcanatgt tacctcaatg accacaatct acaaagtcca aatanaaaac ctgggagtat 120
gataggatga aactataacc tccagcaaag agcttaacag caattaaaat aaagacaaat 180
ttctgggatg gatnagacaa agtagcatat attacaaagg aaaatanact agtatcatnt 240
acgtttgatt aagtaactgc tttcaaataa ttgaatcata aacaatgatt tctgcggttt 300
taagctcatt attttggttc cctggtttct ctaggatgc agtatagaat ctccatgcct 360
gatgtttatg taccaacaga agctgctgct tctttctttc attatttctt ttttaagtga 420
aagttaatac cttttatatg ttacagagaa gaggcagaaa aagccacact cccactatgc 480
tattaaatgc cctgaggatc aactgaggga tgattatacn catggctgaa tacagtntat 540
tcatttgttt ctttggttg tanataacaa aagtggttat tctgtaacat cttgtgncaa 600
ttanccaaat gttaaggcga aaatggaatc tttcaaacaa gtgttntaaa caggttttga 660
ttttccaaaa tttantatta gaacntttc aattctggaa gttncccaat ttccangttg 720
tgttttctct tccaattctt ctttctttg naaattcccc 760
```

<210> 231

<211> 692

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 20, 44, 47, 76, 92, 94, 105, 121, 123, 131, 146, 168, 208,
213, 218, 267, 269, 312, 331, 333, 341, 357, 374, 403, 437,
450, 451, 465, 492, 493, 501, 508, 531, 542, 560, 570, 588,
593, 600, 617, 619, 643, 651, 652, 653, 672, 692

<223> n = A,T,C or G

<400> 231

```
cattgtgttg gggggtgctn tgggggagaac acgcttatgt tganatnggg ctccccgaga 60
aagcctcatt gacacnttgc aataaggacc cntngggaaa ttcangtgag ttgtggacat 120
nontagataa natcaaaggc cttgangaag tccgcctggc accttccngt ctgcgaggag 180
gttgatacca aatgctaagg ggtccagntg cantgtanta tctgtagatc agagtgatgg 240
gcaggtgttg gcatgcgggc cctcaanang aagtgccag gatgactcag acttatgcct 300
atatccattc antcctgttc attattttta ncnttccctc naaggacccc caatttnaac 360
catttgttat tcangctat acttataaaa gtcatttgtt ttnagtctgg gtgatattaa 420
aaccatttgg acgccangca tgggtggctcn nggcctataa tcctntccac cttggggaag 480
ccgaagctgg ttnaatccct naaggctcngg aatttgaaaa ccatcctggg ncaacattgg 540
ngnaaacct gtctctactn caaaaaacan aaaattttct ggggcctngg ttngcaggtg 600
```

gcctgaaaat ttccancnt tactccggga aggccgaatg ccntaaaaaa nnnaccttta 660
 accccccga angggcgaa agtttccatt tn 692

<210> 232
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 13, 35, 38, 60, 66, 71, 77, 90, 105, 117, 118, 151, 154,
 157, 164, 177, 181, 193, 230, 235, 238, 243, 247, 250, 255,
 267, 273, 277, 279, 284, 293, 309, 320, 322, 334, 357, 370,
 372, 373, 380, 386, 388, 398, 402, 410, 446, 467
 <223> n = A,T,C or G

<221> misc_feature
 <222> 476, 477, 479, 504, 510
 <223> n = A,T,C or G

<400> 232
 actcaaatgn ccncttgaag gtcacccaga ctcanaangt gtcaagcttt ggggtggggtg 60
 gtaatnaata nctcggnctc ctgattagtn ctcttagctc gatcnctggc tgagatnngt 120
 tcgagcaccc ttcccttggat cccgtcaaac nccnggnaaa agcngcctgc gtagtcnct 180
 nagecgaatc tgnnttcccg acaccctccg ctcggtcggc tgccctggtn aagcngctc 240
 ctnaaanaaa aaagngaagt ctccccngtc tcncccnant cctngggaaa acngcctgaa 300
 ccaatatgnt cccccaaggn cnccccaggg cacntaaccg gttaggaggg cccccnctg 360
 gcgttttggg cnaagcccn gccccngnaa taaccnct anaaccacgn aaaaatgcaa 420
 agtcccaaag ggtaaagaat ctcccnacc cccggttccc tcgcaanct cccctnngna 480
 cttgtgttcc gggaaaacc ttancccgan ctttcca 518

<210> 233
 <211> 698
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 509, 617, 618, 635, 641, 681, 688, 690
 <223> n = A,T,C or G

<400> 233
 gcaagagttt ctgtctgtct gtctctctct ctctctctct ctctctctgt ctctctctca 60
 cagttagaat ttggtctgtt tctttattca ataccccaat atatgttcat tagggttata 120
 ctgtatacac tacacataac agttttgttt tttgttttgg atattatttg ataataagaa 180
 ttttaccaca tcattaaaaa aagtttcccc aagctataat ttttgataat tgcactcttc 240
 cactattcaa atgttttatt aactctttct ctccctggagt aggtttacat tccatttttag 300
 ctatgatact gctttaagag aaattgtttt aagataaatt tccatagaca ggtcaaagga 360
 ggtgaatata tgtaagcttt tcgatgcctg ttactgaatc tcattctgga aaacataact 420
 gtcaatgccc tctttttctc atggtaaaaa aatacataac aaaatttacc atcttaatcg 480
 tttttaaatg ttacagtagc atagtgttna ctgtatgtac cttgtgcaac agattctctg 540
 aaaacttttt catttttcaa aatgaaaact ctgtactcat tgaacaggca gcttcccaac 600
 ttccccattc ctccanncc ctaccctggg ttaanagtct nacaaaacc gggaatttta 660
 tgaaatttga aacactttta naataccnct tattaggg 698

<210> 234
 <211> 773
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 289, 331, 367, 523, 545, 582, 594, 623, 652, 663, 675, 698,
 709, 711, 722, 740, 749, 764
 <223> n = A,T,C or G

<400> 234
 ggcacgagcg cagcttttgc aaagctgtaa tttgttttgc atcaaaagtc ctgcagtata 60
 ttagtctcat tgcattttta agagtttcca agtgatcagt gatggttgtc tgttttttag 120
 tattacggtc ttatgtaatg ttcgaaaact agtcagtttg gtgctgtcgt acggggcgga 180
 aagatcaggc caggcaaagt actctggccg ccaaagtaaa tgcttaaggc cgccaacgga 240
 ttatgtcctg gggttcgatg agggccgtaa ttaggttgag ctggtgtang ctaacctcgc 300
 agccatgtcg gagagagatg agagacataa nattttaaag taggggcgta ttttacgaag 360
 ttctgancca ttctctttgt tatcggtccc ggcaaaagca actgagataa atgtgtttaa 420
 agactcgatg attttttcga cttcagcaac gtactcagcc ttgggttctc gtagtttttc 480
 aaaggcagct atttgctgag attcatgaaa agtttgactt ganctgcttg tcaattttctg 540
 cagcncgggc ttcaactggt attgaatttg tttgattaag cncaatacgt tgcnggtcac 600
 caaggttttc catgttttga ctncacctgg tcgaaccaat ttgaattatg tntttttgcc 660
 tgnccgtgtc cccncccttt aaatccatct ctttttnga aacctttgng nggttgaatt 720
 cngecgcccg gttcccaacn tttggttcna ctttgaaaaa aaanatgggt agt 773

<210> 235
 <211> 849
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 581, 612, 643, 647, 716, 717, 758, 775, 778, 786, 821, 825,
 837
 <223> n = A,T,C or G

<400> 235
 attgggtacg ggccccccctc gagcagcctc cactgcaatg ccgctgaatc aagagacttt 60
 tcaatacgtt ttatcagtga aaatgatgtg atctgaagag tcctatcttg agcactttgc 120
 atgacatcca acgttaatgt ccacaacgtt cttagctgcc caaccccttt atcggcaagc 180
 tccaaagggtg tgtgcaaacg ttctacggcg tcatgaaaag ctgaaaaatg ctgtgtcaac 240
 actgcacggc tgcgcattct caaaagcagc gcccttatag tctccgcatt cgaagacgat 300
 aacccgcgta gaatagcctc ataatacatt ttgtagaaat caatcagagc tgtgctagga 360
 accctttccat ccaaaacata cgactgtgag accacgtctg caaaagcaga cgtcacatta 420
 tgcatatgcc ctcttaacgt cagccgatca tcctcactca tagcgacggc agaaagctct 480
 tgttccagct cgtgcacggg atccaattca gtaatcctac gcaacgccgt ctgaatcgtg 540
 ttcataagtt cagtttttaa gctcaaaact tcgtctctta ntttaccctt tgtgactttc 600
 aaactggggc antcttcacc attttattaa tcgtcttttt gangganggc ccagcgtagg 660
 atctgcatcg ccagcggaat cgttactccc tccattcctt cctccgggta acgcanntag 720
 tttctccgaa gccttaaaat tagccgggga aagggaantt atttgcccca acaanggnat 780
 cgcggnccgt gtggttaaaa ggaactgaaa taaaattaaa ncccncttgg gggaanggcc 840
 cgcatactg 849

<210> 236
 <211> 310
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 21, 90, 150, 194, 234, 261, 302
 <223> n = A,T,C or G

<400> 236
 ggggtgggtt gcttccgaaa nccggggccc ggccaacttg ttggcttggg aatattctgg 60
 caagaaaatt tccagggcgg cgccaatttn atcaagcccc ggcggcctta aaccgaaaac 120
 tctggcaggg tcaacccctt tcatgggcgn ttgaaagctt gaagcgcccc aagttactcc 180
 caagcttggt gcgnttgccg ttgggggcgg gggaaaagtt gaaaacacgg gcgntttgtt 240
 gccgcgcccc cgggcggttt nttacgccat cctgggaaaa ctttcagggt tggctgctta 300
 cnaaacggg 310

<210> 237
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9, 21, 24, 38, 51, 85, 91, 107, 110, 116, 127, 140, 163,
 164, 190, 205, 213, 222, 224, 231, 233, 241, 255, 257, 260,
 269, 294, 295, 303, 306, 314
 <223> n = A,T,C or G

<400> 237
 gcacgagtnt ttgttattta natnttgctt tgtttaangg aagaacacaa naatgccctg 60
 ctaaagggat tctgttttgt tgcangctgc naggcgggaa aaaatcnaa tgtatnttgc 120
 acaacangat tttttagaan tcagaactat gacatgaagt canncagggc actctacgac 180
 tgaatttgcg gtgctgcctt cacangctcc ttntctgctc tntnctggca nongtgactc 240
 ntacacgtcc tgganantan cctccctana aggaacgact ccgacacccc cccnntaccc 300
 ctnaangttc atcng 315

<210> 238
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 10, 92, 93, 138, 242, 258, 282, 309, 329, 356, 362, 373,
 376, 382, 389, 391, 395, 407, 418, 420, 424, 433, 445, 449,
 459, 461, 481, 484, 498, 508, 509
 <223> n = A,T,C or G

<400> 238
 ngcacgagtn tttgttattt atatattgct ttgtttaag gaagaacaca aaaatgccct 60
 gctaaaggga ttctgttttg ttgcaggctg cnnegggga aaaaatcaaa gtgtattttg 120


```

cagaaaatga ttttttanaa gtcagaacta tgacatgaag tcaagcaggg cactctagga 180
ctgaatttgc tgtgctgcct tcatatgctc cttgctcgct cttttctggc agctgtgact 240
cncacaggtc atggaganta tcattcccta aaaggaacaa cncogatatt catctttatc 300
cattaagtnc atctgtccca ttcta-gtng tggatgctaa cttttgatca ttgatngtga 360
tnccatggac atntancatc anctttcana ncctnggac tttgacnagt cttattantn 420
agantccaac tantacgatg ccgan-tana aatgctggnt ntccaattcc tactcaaata 480
nccnacatga acttccantc cccttgcnna 510

```

<210> 239

<211> 209

<212> DNA

<213> Homo sapiens

<400> 239

```

ggtgcttttc ctttctactc gtcttctctgc ctggcaggag aagctccgc tactggttgc 60
cttcttacca ctgtcgacac caccaactgc agtgagccag tgtccgaggc tccagccaga 120
aacaggtagc agccatgccg gataccaaac gccacactt aagagcctga aatgacctga 180
cgccacctcc gcatgcttta cctactgag 209

```

<210> 240

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 67, 278, 281, 287, 401, 462, 483, 486, 532, 542, 547, 562, 563, 585, 593

<223> n = A,T,C or G

<400> 240

```

ggcagcaggt ttctggetgg agcctcggac actggctcac tgcagttggt ggtgtcgaca 60
gtggtangag ggcaaccagt aacgggagct tctcctgccg ggcaggaaga cgagtagaag 120
ggagcggcat gctggaggct ggagcctgag cccctggggc tcgccttgct gtgtttggtg 180
gtgacgtggg aactgcagc tcggccagag tggtaaaaaa tgcctggtg tacgcttttc 240
tggctttgcc cgtctatctg ctccaagcca ggctgganga ngagganaag gaatcacctg 300
tggtagctg gagcctgcat gtggcgtgac tctgcaactc gcctcgtgtg actgatggca 360
gccacggaga ctgcagctcg acagggagtg aggccttctca ntggcttgaa agctcagctg 420
actccacga aatttgccgg aaactcaagg ctgtcagtga cnttcgtggc gccaagactt 480
aancangcgc gttgcatgca tccggccagt gtctgtgccg cgtgccctga cncaccttg 540
anataancac ccggaacgcg cncgcgcgag gccgcgcgca cacgnccggg cancaacttg 600
gctggcttcc 610

```

<210> 241

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 67, 114, 120, 124, 137, 144, 150, 209, 279, 285, 291, 324, 384, 400, 407, 417, 421, 428, 438, 453, 459

<223> n = A,T,C or G

```

<400> 241
ggcacgaggt ttctggctgg agcctcggac actggctcac tgcagttggt ggtgtcgaca 60
gtggtangag ggcaaccaat aacgggagct tctcctgcc a ggcaggaaga cgantagaan 120
ggancggcat gctggangct ggancctgan cccctggggc tcccttgctg tgtttggtgg 180
tgacgtggga cactgcagct cggccagant ggtaaaaatg tcctggtgta cgcttttctg 240
gctttgcccg tctatctgct ccaagccacg ctggaagang agganaagga ntcacctgtg 300
gtacgccgga gcctgcatgt gggngtgact ctgcaactcg cctcgtgtga ctgatggcac 360
ccacggacac tgccactcta cagngaata ggccttctcn tggactngaa agctcanctt 420
nactccncc aagtttgncg gaactcaag ctntcactna acttcgtggc gcc a 474

```

<210> 242

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 8, 9, 34, 71, 141, 162, 195, 262, 309, 321, 364

<223> n = A,T,C or G

<400> 242

```

ngcgggggnt tccaccagct cgtgtgcaca agtngcgcca cacaacatg cgcaggcact 60
gcatgtcatc natgtgcttc gccgtgggtc tggaacagcg agtagaagat ggcgttcggg 120
tcgcgaccaa attcgacgtc ntggatgctc ttgcgcaaga angtcacgta cgggatcggc 180
ccgatggatc cgctnaagcg ccgaaaggcc ctgacttgca aaccgcggct cacagaaccg 240
gcaccaccgg cgccctccgc cnacaaaagt cgagcggcct ccgacacaca ctccctcaca 300
tccccgtenc gcacttcggc ngtttctagc tccgccacgg ttgtcagcgg caccgcgggc 360
gccnagctgc cggcggcatc cgttgcacac agcacacacg gatccgctct cgtgc 415

```

<210> 243

<211> 841

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 297, 511, 589, 629, 644, 650, 657, 676, 677, 688, 694, 696, 730, 738, 744, 749, 755, 827

<223> n = A,T,C or G

<400> 243

```

aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tggatgaactt 60
cgctcctaca gccgagccaa tgaagacgaa tggctgctgc cgaggatggg agtctcacta 120
gagcacgcgg cgctggacaa ctcatcgact tgtacgcttc cgtagctta gccattcag 180
ctccactgac gacagagacg gagctggcca ctgccatctc gacgcagcgg gacaaggagc 240
agcttcgggc gccgtatgca tcactcgaag agaaccagga gcagccggaa gcaggangcg 300
ctgcacggta caggcacttt cggcgcttca gcggatccat cgggccgatc ccgtacgtca 360
ccttcttgcg caagaacatc caggacgtcg aattcggctc cgaaccgaat gccatcttct 420
actcgctctt ccaggaccgc gcgaagcaca ttgatgacat gcagtgcctt gcgcatgttt 480
gtgcggcgct accttggtgc acacgaacga nggcaaccaa cccgccccag gtgcgctct 540
atgcattcct gttctgttcc ggtgtgcatg gccggatgtg gaccgtganc ttggtgaatc 600
ggctggtgca tgaagactta ccgctctcnt caaggcgaa cgcncctcan ttcgganaag 660
gaacaaaacc ccccnnaag aacggcantt gcancnttt ccccgctgc cggctcttct 720
ccattcgggn attctctntc tcnnaaant ccgcnaaatc ttctttcgtt ttctcccctg 780

```

tttttatttg cccctcccg cacttgggtt gttttacatc ctacaancct tttttttctc 840
c 841

<210> 244
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 243, 506, 510, 514, 532, 586, 592, 671, 687, 693, 702, 711,
713, 732, 734, 752
<223> n = A,T,C or G

<400> 244
aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tgggtgaactt 60
cgctcctaca gccgagccaa tgaagacgaa gtggctgctg ccgaggatgg gagtctcact 120
agagcacgcg gcgctggaca actcatcgac ttgtacgctt ccggtagctt agcccattca 180
gctccactga cgacagagac ggagctggcc actgccatct cgacgcagcg ggacaaggag 240
cancttcggg cgccgtatgc atcacccgaa gagaaccagg agcagccgga agcaggaggc 300
gctgcacggg acaggcactt tcggcgcttc agcggatcca tcgggccgat ccggtacgtc 360
accttcttgc gcaagaaaca tccaggacgt cgaattcggg cgcgaccgga atgccatctt 420
ctactcgcgc ttccaggacc cggcgaaagca catttgatga actgcagtgc ctgcgcagtgt 480
ttgttgccgc gctacctggt tgcacncgan cganggcaac aaccgcgcgc angttgccgc 540
tctatgcatt ccctgtctgt ccggtgttgc atggccggat gtggancgtg ancttgtgaa 600
tccgctgggt gcatgaagga cttaccgctc tcgtcaaggg cgaacgcgc atcaattccg 660
gaaaaggaac naaaaccccc cccaangac ggnaatttgc ancttttccc ncnctgccc 720
gctcttctcc antnccgggt tctctttctc anaaaattcc c 761

<210> 245
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 498, 505, 532, 565, 566, 580, 581, 592, 594, 601, 602, 654,
669, 676, 690, 691, 703, 708, 709
<223> n = A,T,C or G

<400> 245
aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tgggtgaactt 60
cgctcctaca gccgagccaa tgaagacgaa gtggctgctg ccgaggatgg gagtctcact 120
agagcacgcg gcgctggaca actcatcgac ttgtacgctt ccggtagctt agcccattca 180
gctccactga cgacagagac ggagctggcc actgccatct cgacgcagcg ggacaaggag 240
cagcttcggg cgccgtatgc atcactcgaa gagaaccagg agcagccgga agcaggaggc 300
gctgcacggg acaggcactt tcggcgcttc agcggatcca tcgggccgat ccggtacgtc 360
accttcttgc gcaagaacat ccaggacgtc aaattcgggc gcgaccgaat gccatcttct 420
actcgcctct ccaggaaccg gcgaagcaca ttgataacat catgcctgcc catgtttgtt 480
goggccctcc tggttgcnc aagaancgaag ggcaacaaac ccgcgccagg tngccgctct 540
tatgcattcc ttgtctgttc cggtnntgca tggcccggan nttggaaccg tnanccttgt 600
nnaatcgggt ggtgcattga aggaacttac cgctctcgtc aagggccgaa cgcnccttcc 660
agttcggana aaggancgaa aacccccccn naaggaaacgg ccnttgcnnng 710

<210> 246
 <211> 704
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 85, 91, 198, 332, 375, 458, 507, 516, 538, 553, 570, 593,
 607, 624, 634, 646, 647, 653, 659, 674, 684, 693, 704
 <223> n = A,T,C or G

<400> 246
 aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tgggtgaactt 60
 cgctcctaca gccgagccaa tgaanacgaa ntggctgctg ccgaggatgg gagtctcact 120
 aaagcacgcg gcgctggaca actcatcgac ttgtacgctt ccggtagctt agcccattca 180
 gctccactga cgacaganac ggagcgggcc actgccatct cgacgcagcg ggacaaggga 240
 gcagcttcgg gcgcgctatg catcactcga agagaacagg agcagccgga agcaggaggc 300
 gctgcccggg acaggcactt tcggcgcttc ancggatcca tcgggcccga cccgtacgtc 360
 accttcttgc gcaanaacat ccaggacgtc gaattcggtc gcgaccgaa ttgccatctt 420
 ctactcgctc ttccaggagc cggcgaagca cattgatnaa attgcattgc ctgcgcattg 480
 ttgtgcgggg cttcctgggtg ccccgancga agggcnacaa ccccgcgcca ggggtgccnct 540
 ctatgcattc ctntctgttc cgggtgtgcn tgggcgggat ttgaaccgtg aancttggtg 600
 aatccgnttg gtgcattaag aacntaaccg ttcttcgtca ggggcnnacc ggncccttnc 660
 aatttcggaa aaangaacca aaanccccc ccnccaagga aacn 704

<210> 247
 <211> 618
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 513, 541
 <223> n = A,T,C or G

<400> 247
 ggccgccagt gtgatggata tcgaattcaa cgaggtgtcg atgagcgcg acaatcgccc 60
 tccttcatct ctacctgatg gtgaacttcg ctctacagc cgagccaatg aagacgaagt 120
 ggctgctgcc gaggatggga gtctcactag agcacgcggc gctggacaac tcatcgactt 180
 gtacgcttcc ggtagcttag ccatttcagc tccactgacg acagagacgg agctggccac 240
 tgccatctcg acgcagcggg acaaggagca gcttcgggcg ccgtatgcat cactogaaga 300
 gaaccaggaa gcagccggaa gcaggaggcg ctgcacggta caggcacttt cggcgcttca 360
 gcggatccat cgggccgatc ccgtacgtca ccttcttgcg caagaacatc caggacgtcg 420
 aattcgggtc cgaccgaat gccatcttct actcgctctt ccaggaccgg gcgaaagcac 480
 attgatgaca tgcagtgcct gcgcattgtt gtngcggcgc tacctggtgc acacgagcga 540
 nggcaacaaa cccgcgccca ggtgccgctc tatgcattcc tgttctgtcc ggggtgtgcat 600
 ggcccggatg tggaaacc 618

<210> 248
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> 276, 355, 356, 382, 387, 421, 426, 462, 474, 480, 483, 486, 498, 506, 527, 535, 553, 559, 579, 590, 616

<223> n = A,T,C or G

<400> 248

```
gcacgagagc ggatccgtgt gtgctgtgtg caacggatgc cgcgggcage ttggcgcccg 60
cggtgccgct gacaaccgtg gcggagctag aaactgccga agtgcgcgac ggggatgtga 120
gggagtgtgt gtcggaggcc gctcgacttt tgttggcgga gggcgccggt ggtgccggtt 180
ctgtgagccg cggtttgcaa gtcagggcct ttcggcgctt cagcggatcc atcggggccga 240
tcccgtacgt gaccttcttg cgcaagagca tccacnacgt cgaatttggt cgcgaaccga 300
acgccatctt ctactcgtc ttccagaacc cggcgaagca cattgacaac atgcnntgcc 360
tgcgcatggt tgtgcggcgc tncctgntgc acacgaccga gggtagcaac ccgcgccagg 420
ntgccnctct acgcattcct gtctgcccgg tgtgcgtggc cnggatgtgg acctgagcn 480
ggngantccg ctggtgcntg aagacattgc cgctctcgtc aaggccnacc gccntcgcg 540
gcggaaaaag gancaaaanc ccccgccaa gaaccggcnc tgcaccgttn tcgcgccctt 600
gctgggctct tctccttac gg 622
```

<210> 249

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 447

<223> n = A,T,C or G

<400> 249

```
cattcgagct cggtagcggg gatccgattg gtaaagggga tgcggaacag ccagctggtg 60
ttttcggtgc ggccggggca gccacatcg ctgtggtcgt tggcgtagct gatgcgatgt 120
gocgggacaa acgcgttttc caccacgatg tcatgactgc ctgtgccgag caggcccagc 180
acatcccagt tgtcctcaat gcggtagtcc gccttgggca ccagaaaagt cacatgctcc 240
aggccaggcg tgccatcacg cttgggcagc agaccgccta gaaacagcca gtcgcaatgc 300
ttggagccgg tggaaaagct ccagcgaccg ttgaacctga atccgccttc cacgggctcg 360
gccttgccag taggcatata ggtcgaggcg atgcgcacgc cgttatcctt gccccacaca 420
tctgtctggg cctggtcggg gaaaaancgc cagctgccaa ggggtgaacg ccgaccaccc 480
cgtaaataca ggccgtggac atgcagccct ttaccaa 517
```

<210> 250

<211> 215

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 2, 4, 190, 193

<223> n = A,T,C or G

<400> 250

```
nntncattgg gccgacgtcg catgctcccg gccgccatgg ccgcgggatt accgcttggt 60
accgcttggt accgcttggt accgcttggt accgcttggt accgcttggt accgcttggt 120
accgcttggt accgcttggt accgcttggt accgcttggt accgcttggt accgcttggt 180
accgcttgtn acnggggggt tctgggggac tatga 215
```

<210> 251
 <211> 231
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 12, 66, 111, 121, 127, 146, 153, 157, 169, 178, 180, 197,
 206, 221, 222
 <223> n = A,T,C or G

<400> 251
 ngcgcccacc tngtgattga tggtcgttta ctatcaagta tgtacatctt gctctagaca 60
 actccnattc agtgaagaa attgggaaag tatcccgat aagtaatagg nattaggtct 120
 nccttantgc ttgggtggat attccncaac tgntccngat cggatcagnc tcgtgtcngn 180
 gaatgtgctc gatcgtnatt ctactnctga gcttctatcc nnacgtggcc t 231

<210> 252
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9, 11, 23, 38, 50, 56, 77, 91, 143, 190, 197, 210, 211, 222,
 233, 237, 246, 250, 265, 271, 284, 291, 293, 299, 307, 316,
 320, 348, 355, 362, 368, 373, 378, 388
 <223> n = A,T,C or G

<400> 252
 atgtatcanc nctgttggtg ttncatcttt tgcagtcngt totaagggcn gataantatc 60
 agagatgcta atgcatnttc tgccaggcca ncattggtgg cctatgcgta ctcttcttat 120
 ctctctgaag agtcatctct ggnggatgtg ttccccctc tccacagtgt ttgcaagcgt 180
 taccacgcgn tgtcggngcc gggaaggtcn ncacatcccg gnagacttcc ccncgtntga 240
 atcgtntctn gaatctccgg cgtcttcct naacctcttg actnggacaa ngncctgtnt 300
 tccccntgt gaactngtan cggccccct ttccccctc agcctaancg ggaangaaga 360
 cngggtcnat ctngggcncc acaagaant 389

<210> 253
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 8, 9, 27, 36, 63, 78, 81, 89, 92, 99, 114, 117, 126, 131,
 147, 159, 161, 163, 184, 194, 200, 203, 208, 210, 224, 232,
 237, 250, 251, 260, 269
 <223> n = A,T,C or G

<400> 253
 nggggcenna tgagcgcgcg taatacnatc actatngggc gaattgggta cgggcccccc 60
 tcnagcggcc gctttttntt nttttttnt tntttttnt caaacaccc tcnccntgg 120

```

atgganacgt nacctttctc taaccanac ttcacaatnc nantctcagg cagccgcctc 180
aaanccgatg tcangttggn atntcaantn caatcttatt ttgngaatta anctganatt 240
gtggatggtn naccaatcan atacttggna tccgttgaac ccctgtgga 289

```

```

<210> 254
<211> 410
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 68, 280, 283, 284, 299, 300, 304, 342, 354, 368
<223> n = A,T,C or G

```

```

<400> 254
attgtgttgg gaacttgtag acagctatat caattgcagt gctatctctc tgagggtattg 60
aatctcantt attataattt tgaaatccaa ttggcttggg cttcattatt ttccaactaa 120
aaagatgatt gaaggattta ttgaaatgt gtaaagagta atatagattt tatgcttatg 180
tttccttgaa aaaagtaggt aaaattcttc tggaagtgtt actcctaaaa tacaaatgaa 240
catgtcaaga attacataaa ttctttaaac tacccttaan aannaatggc tctatgtann 300
gagngaccct tacagactat taagaattaa cttgcatggc anagactcat ttanattcat 360
gaaatggntc tcactttctt ggtaagatct ggcttggacg tttttggtaa 410

```

```

<210> 255
<211> 668
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 90, 217, 220, 258, 476, 479, 538, 547, 554, 566, 579, 621,
623, 635, 650, 666
<223> n = A,T,C or G

```

```

<400> 255
tttttttttt ttttcctgtg ccaggcacta taccactgtg ctaggtgcct tctttgcatt 60
acttcatttc ctcataagct ttctgaggan acagaaagct tgagggtcac gtagctagca 120
tctacataaa ttagttgcta aaaacataca atacgtcttc cggcaggctg tcattagtaa 180
ctgatactac tagttgataa tctcataaac ctagcanaan ctaccattta agctgaaaca 240
actgtcaata tcaactaanta aaacttaaat ccataaatca actatattct aaaatctgac 300
ttcagttcaa ttaaaaaaat actagttgtt acctacctcc ttctgaaagc cagtacaagt 360
taaatagaaca actcccgagt ttaacaaaca agtggcatct aaaaaaaga tttaaaaaat 420
aatccactta catatattta aaatggcatt aataaaacaa aatttatcca ataacnaant 480
ggcaaaggaa ggtgtccaat tattacatgt tataaatctt taaattaaac ttttcttngg 540
tttttctntcc ctanaataaa tacaancctt tccccgcna accagaaaaa agcaaaaaac 600
aaaacccaaa aactccagc nongcttaaa aaacncaaaa aaaataaaan ctctattaaa 660
tgcccnaa 668

```

```

<210> 256
<211> 487
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature

<222> 3, 10, 12, 18, 32, 36, 42, 78, 81, 148, 174, 177, 204, 287,
299, 314, 341, 358, 365, 413, 436, 444, 468, 469, 475, 482,
485

<223> n = A,T,C or G

<400> 256

```
cgnaaccgtn cntttttnat gtgcgcccgc cncagnacca gngccgctac aggcgaaggc 60
cggaagcacg ggagaggntt nggaaaaaaa agagtgccta caaagagcat attcgagag 120
ttgggatgag tgaaggggac cagaaggngc agcggtaggg acgcgtgaaa ggangcngcg 180
gagaaatgac agcaagaagg gganaagcac acgaaaaggc agtatcctcc tcccccttt 240
tcgaggactg ccgcattctt gttttctgcc cattccagtc accgaanaag atcccaaana 300
aagaagaaaa gaancagagg tgcacttcgc ttcatttttc nctcgctttc ttttctgnct 360
tcacnagtgc tgcaggattg cccttgtcct cttccgagca catctacgca cgnatgaggc 420
tcggcaggtc aagccnaca aacnctcgca ctctctttt tctttgcnnng tctgngtggt 480
angngng 487
```

<210> 257

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 11, 14, 18, 24, 26, 29, 35, 59, 81, 111, 118, 121, 430, 498

<223> n = A,T,C or G

<400> 257

```
cctttgaaag nccngctnaa ttengnganc cccngatca gcaccagga gctacaacna 60
agggcggaag caggggattt ngccggaaaa aaaagagtgc ttacaaagag nttatccnca 120
nagatgggat gagtgaagg gacgagaagg tgcagcggta gggacgcgtg aaaggaggca 180
gcgagaaaat gacagcaaga aggggagaag cacacgaaaa ggcagtatcc tcctcccccc 240
ttttcgagga ctgccgcac tttgttttct gccattcca gtcaccgaaa aagatcccaa 300
agaaagaaga aaagaaacag aggtgcactt cgcttcatat ttcgctcgtt ttctttctgt 360
tcttcacaag tctgcaggat tgcccttgct ctctccgag cacatctac cagtatgag 420
gctcgagggn caagccaaaa aaacgcttgc actcctcttt ttctttgcgt gtctgtgtgt 480
atgtggaatt ccgcggcncc gc 502
```

<210> 258

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6, 15, 18, 27, 28, 33, 41, 324, 446, 447, 449, 483, 498,
506, 509

<223> n = A,T,C or G

<400> 258

```
actcgncaact cgatncanta caagagnnta tgnattcgaa ngtgcccccg catcagcacc 60
agggagctac aacgaaggcc ggaagcagg gagagggccg gaaaaaaaag agtgcttaca 120
aagagcatat ccgcagagtt gggatgagtg aaggggacga gaaggtgcag cggtagggac 180
gcgtgaaagg aggcagcgga gaaatgacag caagaagggg agaagcacac gaaaaggcag 240
```



```
tatcctcctc ccccttttc gaggactgcc gcatctttgt tttctgccc ttccagtcac 300
cgaaaaagat cccaaagaaa gaanaaaaga aacagagggtg cacttcgctt catatttcgc 360
tcgctttctt ttctgtcttc caagtctgca ggattgccct tgcctcttc cgagcacatc 420
tacgcacgta tgaagctcgg aggtcnnngc aaaaaaacgc ttgcaactct ctttttcttt 480
gcnagtctgt gtgcatgngg gaaatnctna 510
```

<210> 259
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 4, 5
 <223> n = A,T,C or G

```
<400> 259
gannngagtc acgaaaaggc agtatcctcc tcccccttt tcgaggactg ccgcatcttt 60
gttttctgcc cattccagtc accgaaaaag atcccaaaga aagaagaaaa gaaacagagg 120
tgcattcgc ttcatatttc gctcgtttc ttttctgtct tcacaagtct gcaggattgc 180
ccttgctctc ttccgagcac atctacgcac gtatgaggct cggagggtcaa gccaaaaaaa 240
cgcttgcaact cctctttttc tttgcgtgtc tgtgtgtatg tggaattcct tg 292
```

<210> 260
 <211> 582
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 307, 313, 315, 321, 409, 420, 449, 452, 487, 492, 505, 536,
 546, 547, 561, 564, 572
 <223> n = A,T,C or G

```
<400> 260
gcacgagggtt ggggtggtact gtgtataata actccagatc cttgaccaag tttggagagt 60
cacttatggc catttgaaac caaatgaagg atcaaaggac taattatttt gaatacctct 120
gagtgttttc cccaagcttg agaagagttt cattcagcta taaaatgctc attgtgcaaa 180
tgagtgggtt ccatgctgta taattaaagc attgccttta ataataatttt attaccttta 240
gcttgtcttt ttaatttgag gaaaatccaa acaatttaaa gtaaaacgtg ataaagacag 300
tttttcngga gananaaggg nagatcgcta tgtttattcc acttaatatc tatatcaaatt 360
atttgtatca aaagcagact ctcactttaa aaatattctt ctaatggcna gaatcttttn 420
cctagattga gagtcagagc tcacatagna tnactgctgg taaatagaca cttagactat 480
agagctnagc tnaagttcca actanccaac tgcatttctg aatatgcttt ttattnaaag 540
gccagnnctt ttgccttttt nccnccctaa tnccttctat tg 582
```

<210> 261
 <211> 783
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 137, 425, 445, 489, 500, 552, 554, 559, 570, 584, 587, 599,

615, 618, 626, 633, 645, 648, 649, 658, 669, 679, 684, 691,
698, 705, 718, 726, 727, 741, 753, 756, 765, 767, 770

<223> n = A,T,C or G

<400> 261

```
gcacgaggca aaatacagag ggtatttttac catggacagg caaccattt ttccaggaca 60
actctttgca gcagagagct attctctttc ttttgccctta cactctcaac ctactcttc 120
gagtgtctgc atcctanttt tccatggcca taagataagg aaccatgagt gttactctag 180
atgaggctgt ttcatgtgg gagctcatcc aggatccaag gtagattcat cagaagggt 240
agtataggag tgggaaccca aatctctact tttattttga ggccttctct cctcaatttt 300
aaattgtaaa atcaaactta aaactgggta tctgatggcc agttaaaaga ctgggtatct 360
gattgccagt taagagatgg tcatttatgc tcaccacat tctcaagacg cagggtgagg 420
gacangcttg ctggggaatg ctgancaat cccccaatgc cttcaggatt ctgggaatgg 480
tggctctgnt ttaaaactggn tgacttttac aaagagccta cccgtcatgg ggggactggg 540
aagaaaaccc anangcagnt tctggcccan ggttacaccc ccangntac cttgaaggnt 600
ttttggacat acctnttnc ccccttttac tgnttcatta gggcntcnc aaccaantt 660
tccaagtntt ggcccttcna aaanttttt nttttcctt tccanggacc cccctggntt 720
cctggncccc cttttttata nccaacctg ccnggnattt tttcncnttn aaagggaaat 780
aat 783
```

<210> 262

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 98, 429, 441, 553, 567, 576, 599, 601, 615, 621, 635,
646, 649, 655, 659, 667, 674, 688, 708, 725, 731, 733

<223> n = A,T,C or G

<400> 262

```
tgaaccctan tgggcccggc cccctcgagt cgacgggtatc gataagcttg atatcgaatt 60
cggcacgagt gtatattctg ttattatacc ccagattnaa gtgtatattc ttaggcagta 120
gttctgggta acatccttac tacataaaat ccacttacta ttttaagtatt attctaacag 180
gaggtagaat agctgcctta aaaaatgtag tgatcgaatg gcagtttttc tgctgaatgg 240
aaattactga cacaaaattt ggttttggga gacattttcc tccttggtgt tgagttttcc 300
cattcacgga tagggcataa agcttggttt atagttgagg ggtgcaaaag gggaatagga 360
ttgggaaaat acagtgttcc agcaaaggtc tgacaaggta catcttgag aggattccta 420
ttctgctang tggcactgta ngcttgaaa tactgtgtac tttccagaca aaggatagag 480
aaaaagacct tcaactgggtg ggggagaaga aaacccttgt tcctagaaaa atcacaaaaa 540
aggcatcctt tancctatat tcccagnttt actggnngcat ttgcttgatg tgactgacnc 600
ngattatttc ctttnactgg naaaaattcc tgccnctttg gatatnaang ggggnaccng 660
gaaaatnggg ggcnttgggg aaggaaanaa aaaaaattgg agggaccnaa ctttggaana 720
tgggntgctt nangccttaa g 741
```

<210> 263

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 37, 38, 316, 318, 335, 385, 414, 420, 436, 437

<223> n = A,T,C or G

<400> 263

```
ggcacgagag aatgtgttca cagacactat tttatannta tctgatgtgt actgtgtctg 60
gtggatgtga aagccatact tcttaaactct gatttgaaaa gcaaactctga ttatcacagc 120
cataattaaa tttggccagc cttccttcct ccctccctcc ttcaacttctc tccttccttc 180
cgctcgtgc cgaattcggc acgagcctga cctcactacc aaaaaaaaaa aaattcaaag 240
tgctgaggt ttccaggcat tcttagctct atttacttac ttcccacctc aaatggcctt 300
agaattcaaa ttctgnanaa aatggattgc catanataat ccaatgaaaa tgggtcatat 360
tttgccatta atagaatcac agtcnacaag ggactaatag aattagtcac ttangtatcn 420
ttagatttgg gagacnn 437
```

<210> 264

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 674, 689, 698

<223> n = A,T,C or G

<400> 264

```
gcacgagcac cccaagggtt taggacaaaa tgggatgagt gaattcatgg cttgacagac 60
tgaacagaaa aatgaggctc cgtgctccat attcatgtgc atctgccctt catggtgaca 120
tgctaattgg ttggccgggt cacaagacaa ggaagtgcag gtttcctgtt gctcacacag 180
tgcttcctgt ctgctgtggc aggagccggg aggaaggag cgagccaaga ggggtgctgc 240
ccaccgaaa cgatggcgcg aggccgcaga gctaaatggg ggctctcca gggagtgtc 300
tggtcacggc tccatcgctg ttagtaagta tcttgtgatt tcggaattta aatgaggttg 360
tgtttaacct gcataacatc tggcttttaa aatctgactt tattttcctt ttatttctgt 420
gcatcggtc aggcacactt agtgggtggc taggtgttga agtcaggtta ccaaacagca 480
cgccctctct ttattctcag gctgctgtt tcattgattc tgaaggtcag atggctgtgt 540
tcaagttctg ttagtatatt ggtgtcagaa atgaaaagat gatgtaaccc ttataactt 600
cttaaaggct catatcatgt caggaaatta acctgtacga gttatggaca aatgcccatc 660
ctgatgattt tcanccatga aaatgaatna aagggganaa gggcca 706
```

<210> 265

<211> 717

<212> DNA

<213> Homo sapiens

<400> 265

```
ggcacgagca gcattacggt ttatacacat gtccacaact cagcattgct ttcaaaatag 60
gaacacttta ttagtaaaga ggaagaaatt gcctaaacag actcagtgtc tttcccataa 120
caatcatctg ccaagccgca ggcctaacca ggaaatccca tttccttttg gcgttgtgtc 180
ctocaccaac agatacaacc ctgattgcaa atgttgtatg gtttgtaggt gttgtgagcc 240
aatgagggca tgcttagggc caaaggctgc cttttggaat gagggcaagg tcgtagactc 300
catcaaacia caaatgcata ctctccaaa atcaaatgct caacacatgc agcctttcgt 360
atgccatct cccctttact cattttcatg gctgaaaatc atcaggatgg gcatttgtcc 420
ataactccta caggtttaatt tctgacatg atatgagcct ttaagaagtt ataaagggtt 480
acatcatctt ttcatctctg acaccaatat actaacagaa cttgaacaca gccatctgac 540
cttcagaatc aatgaaacac gcagcctgag aataaagaga gggcgtgctg tttggttaacc 600
tgacttcaac acctaaagca ccactaagtg tgctgagcc gatgcacaga aataaaagga 660
aaataaagtc agatttttaa aagccagatg ttatgcaggg taaacacaac ctcatta 717
```

<210> 266
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 291, 296, 302, 308, 315, 323, 325, 335, 351
 <223> n = A,T,C or G

<400> 266
 ggcacgaggt tagatttaac ttccacagat gactcagcag aggataacta ctaatcagag 60
 tacaacatca aaactgtaac cagtataatc actggattat gagcaactca aaatagctcc 120
 agttttccaaa gggccataaa ctgcacatat cagtactatg tgcaattaac acataattta 180
 ttatgaaaat gtggacatgc caggtaagta aggggattta ggttgacttt ttataatact 240
 tttaaatttga aatgccattt ctgtggattg gatgacatct tccagggtgct ntaatnctgg 300
 gntacctnct gatanatcct gananaaaga ggtanaccca gcgtctatca nacctcaata 360
 ca 362

<210> 267
 <211> 692
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 153, 159, 160, 331, 362, 375, 393, 435, 438, 448, 450, 451,
 460, 480, 486, 497, 509, 523, 530, 538, 539, 550, 669
 <223> n = A,T,C or G

<400> 267
 ggcacgaggt tagatttaac ttccacagat gactcagcag aggataacta ctaatcagag 60
 tacaacatca aaactgtaac cagtataatc actggattat gagcaactca aaatagctcc 120
 agttttccaaa gggccataac tggccctttt aanacttttnn gcaattaaca cataatttat 180
 tatgaaaatg tggacatgcc aggtaagtaa ggggatttag gttgactttt tataatactt 240
 taaatttgaa atgccatttc tgtggattgg atgacatctt ccagggtgctt taatttggtt 300
 tacctcctga tagatcctga cagaaagagg nagcaccagc gtctatcaaaa cctcaatata 360
 gngtgtgaaa cacangagag cctgcttttg tcnacacggg gaaacacatt gttatcacia 420
 cacacaaaag gcaanctncc aatgggggnan ncttacctgn cctctcatat tgggggcaan 480
 gaaaangggg ccccanatg gctgagtana tccccaaaaa ccnccactan tggtcagnnt 540
 gcttcccccac acagccagat gactgaattt agcccaagct gcagtctcaa aaccagcttt 600
 ctgacaatca gtaacaagaa catactgggc tgttgacagt agctcaagtg ttgggtgttc 660
 agtcaaaaanc catggatgcc aatcatctcc ca 692

<210> 268
 <211> 605
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 21, 100, 331, 382, 403, 420, 432, 448, 461, 481, 554, 555,
 565, 591, 594, 597, 605

<223> n = A,T,C or G

<400> 268

```
cgtgccgaat tcggcacgag ngcacatatc agtactatgt gcaattaaca cataatztat 60
tatgaaaatg tggacatgcc aggtaagtaa ggggatttan gttgactttt tataatactt 120
taaatttgaa atgccatttc tgtggattgg atgacatctt ccagggtgctt taatttggtt 180
tacctcctga tagatcctga cagaaaagagg tagcaccagc gtctatcaaa cctcaatata 240
gttgtaaaac acagagagcc tgcttgcccta cacatggaga aacattgtta tcacaagaca 300
cagaaggcaa acttccaatc tggcatactt ncctgtcctc tcataatttg ggcaatgaga 360
atggtggacc agatggcttg antagatgcc aaagaacacc canactgggc agcatgcttn 420
cccagacagc cngaagactg aaatttantic ccagctgcag ncttaaacc tttttttgac 480
nttccgtaac cagaccatac ttttttttct gatgcttttc ttaacttcat cttttccaat 540
taaattcatt agtnnaaccc taaanggggc ccggttttccg aaaaattttc nttntntntt 600
ccccn 605
```

<210> 269

<211> 535

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 9, 185, 205, 213, 216, 220, 237, 251, 298, 304, 307, 331, 352, 447, 497, 500, 529

<223> n = A,T,C or G

<400> 269

```
gcacgaggng caaccccagg gtgggtcttc tgggatgaac ctggagacct gagcttgcac 60
agcttccttg gtaaattgag gaggcatgga ccacaagatt gccaaagctcc tttctatcca 120
aacttgatat tgtagattc catgatccag ttcacacgg ttgatggctg aatctcatgc 180
actanaaaaa ggtaatataa aaganaaaaa tanaangatn ttcaagttag tataaanacc 240
tttaatctca ntctttctag ttcaaagaga cggaacaatg agagatgctg gttcatanag 300
ctgntanatt taacttccac agatgactca ncagaggata actactaatc anagtacaac 360
atcaaaactg taaccagtat aatcactgga ttatgagcaa ctcaaaatag ctccagtttc 420
caaagggcca taaactgcc tatcaantac tatgtgccat taaccataa tttattatga 480
aatgtggac atgccangtn agtaaggga ttaggggtga ctttttatna tactt 535
```

<210> 270

<211> 803

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 677, 687, 768, 772, 786, 790, 793

<223> n = A,T,C or G

<400> 270

```
gcacgagggc aaccccaggg tgggtctctt gggatgaacc tggagacctg agcttgcaca 60
gttctcttgg taaattgagg aggcattggc cacaagattg ccaagctcct ttctatccaa 120
acttgatatt gttagattcc atgatccagt tcatcacggt tgatggctga atctcatgca 180
ctagaaaaag gtaatatata agaaaaaaat aaaaagatat tcaagttagt ataaagacct 240
ttaatctcag tctttctagt tcaaagagac ggaacaatga gagatgctgg ttcatagagc 300
tgtagattt aacttccaca gatgactcag cagaggataa ctactaatca gagtacaaca 360
```

```

tcaaaactgt aaccagtata atcactggat tatgagcaac tcaaaatagc tccagtttcc 420
aaagggccat aaactgcaca tatcagtact atgtgcaatt aacacataat ttattatgaa 480
aatgtggaca tgccaggtaa gtaaggggat ttaggttgac tttttataat actttaaatt 540
tgaaatgccca tttctgtgga ttggatgaca tcttccaggt gctttaattt ggtttacctc 600
ctgatagatc ctgacagaaa gaggtagcac cagcgtctat caaacctcaa tacagttgta 660
aaacacagag agcctgnttt gcctacncat ggagaacatt gttatcacia gacacagaag 720
ggaacttcca tctggctact tacctggctt tatttttggg gcaatganaa tngggggacc 780
aatgntgan tanatgcca aaa 803

```

<210> 271

<211> 836

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 623, 682, 718, 768, 781, 785, 787, 794, 804, 811, 816, 822, 831

<223> n = A,T,C or G

<400> 271

```

gcacgagggc aaccccaggg tggggtctct gggatgaacc tggagacctg agcttgcaca 60
gcttccttgg taaattgagg aggcattggc cacaagattg ccaagctcct ttctatccaa 120
acttgatatt gttagattcc atgatccagt tcatcacggg tgatggctga atctcatgca 180
ctagaaaaag gtaatatata agaaaaaaat aaaaagatat tcaagtgagt ataaagacct 240
ttaatctcag tctttctagt tcaaagagac ggaacaatga gagatgctgg ttcatagagc 300
tgttagattt aacttccaca gatgactcag cagaggataa ctactaatca gagtacaaca 360
tcaaaactgt aaccagtata atcactggat tatgagcaac tcaaaatagc tccagtttcc 420
aaagggccat aaactgcaca tatcagtact atgtgcaatt aacacataat ttattatgaa 480
aatgtggaca tgccaggtaa gtaaggggat ttaggttgac tttttataat actttaaatt 540
tgaaatgccca tttctgtgga ttggatgaca tcttccaggt gctttaattt ggtttacctc 600
ctgatagatc ctgacagaaa gangtagcac cagcgtctat caaacctcaa tacagttgta 660
aaacacagag agcctgcttt gntacacat ggagaacat tgtatcacia gacacagna 720
ggcaacttcc atctgggata ctacctgtct ctctatttgg ggcattganat ggggacaatg 780
ntgananatg caanacacca atgngagctg ntccnagc cnatatgatt ntccat 836

```

<210> 272

<211> 203

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 19, 42, 46, 53, 62, 63, 74, 84, 89, 109, 112, 119, 120, 128, 133, 139, 144, 148, 176, 187, 194, 197, 201

<223> n = A,T,C or G

<400> 272

```

ggagaattgg gccgctcang ggtgcattct gcatcacctg antttnaaat ctnagtcaat 60
cnnogtacta atantatcaa catnatttna acctgatctc cactgcttng tnattttcnn 120
ttcactgncc ctntcactng aacntctntt cacacagcca cccccatta tctggntggc 180
acctccncca aatncncct naa 203

```

<210> 273

<211> 594
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 17, 55, 80, 96, 156, 164, 171, 176, 180, 204, 211, 224,
 242, 253, 265, 282, 284, 292, 313, 314, 319, 329, 338, 340,
 348, 357, 359, 370, 377, 390, 396, 407, 420, 437, 439, 440,
 456, 457, 479, 490, 520, 524, 541, 546, 557, 571, 575

<223> n = A,T,C or G

<400> 273

```
attcgggccn ctggatnctg gctcgagcgg ccgccgctgt gatggatata tgcanaattc 60
ggcttcttga gagagctttn tttttgatgg ttgcangtac tctcgatgga gttggtgggt 120
gtgggttatct ctctctgggt gtctttctgt ataaanttct tgcnctgact nectanctcn 180
cctccccctg gtccttccct tagngtaaca nctggtaatc cctntcttct ttgctctcct 240
tnttctcctt gancgatttc ctctnlttgt ccactctcag gnanaaccct gntggtcagt 300
gttcatgact tcnngaagnt cgacccgchn aatagggnen cacggatnat gttgaancng 360
ggaagggagn gtccaanttc tctgttccan aggctnagcc tagaganaat gatggggagan 420
ggtttactga gatcatngnn tcttctcgaa gatatnnttt aggggtgggcc ccataagng 480
aatttctcan cttcaaatct tctaatacat tactgaacan ctgncatttg ttacgccaca 540
nattgnaatt ctccatntct ttttagaaac nattncaagg tcattttatt ccct 594
```

<210> 274
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> 24, 31, 38, 49, 55, 62, 63, 75, 86, 113, 116, 122, 127, 142,
 148, 150, 162, 171, 176, 184, 185, 190, 201, 207, 212, 215,
 218, 227

<223> n = A,T,C or G

<400> 274

```
ctactcactg tccggccatt tggncctctg natgcatnct caagcagcnc gccantatga 60
tnnatatctg cacanttcag cttctngaga aaactatgtt ttaaacagtt gcntanactt 120
anaatanaaa tcgagtaagg tntagatnan tctctaacga tngaattatt ntacanaggg 180
gtanncgatn accaggagta nctaganttg ancancancc taggtcnga 229
```

<210> 275
 <211> 651
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 18, 25, 34, 36, 87, 139, 140, 165, 168, 187, 222, 237,
 262, 268, 271, 286, 288, 296, 301, 315, 329, 338, 356, 359,
 365, 368, 402, 416, 445, 490, 500, 522, 528, 538, 542, 550,
 562, 565, 569, 577, 581, 587, 589, 597, 610, 640

<223> n = A,T,C or G

<400> 275

```

atatctgntg aatacggntt cctgnaaaaa ggtntnattt agatgggtga gtccgactca 60
gcgatgcgac ttggtgggtg tggtcantct cttatgggtg agattgttca tgatatcatg 120
ccctgagatg cctggactnn cctcaccgga gatcctagac ggtgntancc cctgagagtc 180
tctctcntcc tgctctccta acttctccta atgatccctc cnattgtcta ctgtccnatt 240
gaacccttct tgcttatgta tncaatcntt nacgggtgtc ctgctnantt tttganacga 300
ngctcataat ggacngggga aggatagtnt gaataatntc ctgtataccc acgccnacnt 360
ctacnctntg atctgacacg gtatactgat ttgtgctgtt cncttcacca ttccantttc 420
taccttcgcg tcatatgctc tgtangctac accctctgtg actgctttct cagttacgtg 480
caacaaggtn ttcatatctn gaactcttac accattctag anggatcncc cctcgganaa 540
antttggaan aacaagcaag ancanaatnc ctctctngtg ntacacnanc cggcttnctg 600
atcctcgtnn aaggaattcc ccgcttctct gggctttaan tctcctaacc t 651

```

<210> 276

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

```

<222> 18, 24, 27, 35, 41, 49, 55, 60, 86, 87, 92, 96, 101, 115,
140, 156, 157, 166, 188, 189, 197, 206, 210, 222, 254, 256,
264, 265, 288, 289, 293, 300, 305, 311, 312, 320, 332, 333,
343, 362, 366, 371, 384

```

<223> n = A,T,C or G

<400> 276

```

accccccccg aattacgntg gcnatntaa aagtnatca ngcctccang caacntaten 60
tttcattacc acccacactc ctgtnnngg anggangtgg naatccttca ccatnctaata 120
gtatgtgggtg ctctcatgcn ggtacgtata atctanncgt cccctnaaat cggatgcttc 180
tgtaatcnnc agtcacnaaa ccacangan caactgaaac angatttggc taacagccaa 240
tgtctggggc ctncnaatc cctnnaatat ctctacacc ttagtagtanna atnaactacn 300
ctacnctatt nnacacacgn tttaggttgt annaccaagc ccntattgag tgaaatcggt 360
tntatngtat naaatgccaa aagntgcggt aa 392

```

<210> 277

<211> 212

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

```

<222> 11, 17, 22, 25, 29, 38, 57, 61, 64, 73, 80, 108, 110, 115,
181, 186, 189, 200

```

<223> n = A,T,C or G

<400> 277

```

ggtttgcggt natgaanttt gnaanaatna actttagnga taaccacccc accaatncct 60
nctnagtatt tgncaacctn aaaactacag ctctctccag atagactntn ccttntctgat 120
ttcaactctc cttggactgg tcagcctgaa ggggtggaat gactcaccaa cgctactaat 180
nccttnttna ctgtgccttn attttttcgc ct 212

```

<210> 278

<211> 269
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 2, 3, 37, 55, 60, 63, 78, 97, 101, 142, 145, 150, 170,
 186, 189, 202, 204, 216, 243, 247, 251, 256, 262, 267

<223> n = A,T,C or G

<400> 278

```
nnntccatcc taataccact cactatcggg ctccaancgg ccgcccgggc acgtntcttn 60
tgngacagga tctgaatnaa ggggtggttg taacttnact naaaattctg aaatgatacct 120
gcatcagaca ggggttctccg tntanaatan agtttccctg ttagttaton agcctgggca 180
ggggangana gattcgagga cntntgaaat gaaggnatta tttaggatgg gtgactcatt 240
ccnacnttc ncgctnacca gnccganga                                269
```

<210> 279

<211> 266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 9, 12, 19, 32, 34, 51, 52, 60, 65, 68, 72, 128, 132, 142,
 144, 149, 174, 181, 182, 203, 208, 209, 244, 247, 254

<223> n = A,T,C or G

<400> 279

```
gttggtgagt cngtttgng tcttctcgtt gntnggtgtt tgggtgtgtt nnttggtgtt 60
gggtngtntt tntggagaga gttgtagttc gtgagggttg cagtgtactt actatggagc 120
ctaaggangt gngctaactt anantgatna ctttgctcat actgccctgc cctnaatgcc 180
nngettgcct caccctgggtg ccnaaccnna tcgaacacct aacagtctag taggcttctt 240
gctntancag actnctcttg aggtatc                                266
```

<210> 280

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 15, 21, 24, 36, 41, 72, 97, 112, 114, 117, 142, 151, 167,
 176, 177, 178, 224, 231, 238, 247, 277, 285, 293, 299, 304

<223> n = A,T,C or G

<400> 280

```
acactgttag gtgtntggaa ntgntgtagg catagncttt ntggcacaga gttggagccg 60
tgaggcatag cntgtactta ctatggagcc taaggangga gctaacttat antnatnact 120
ttgtcatac tgccctgctc tnaatgcta ngcttgctc accctgntgc cttacnnnat 180
cgaacacctc cgcggtctat aggtctcttg ctctatcagg actnctcttc nagcttcntc 240
gcctcanttg actcactgtg ctcggtcggt ctactngat ccagncgctc atnaacctna 300
cttnggagcg aggtcat                                317
```

<210> 281
 <211> 174
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 47, 111, 125, 140, 147, 150, 154, 159
 <223> n = A,T,C or G

<400> 281
 gnggtcatat tatacatcta aggcattgcc aactccacgc cattatnaat tccatcgta 60
 tgtccgcagt cactacttat aacctagatt aatagtgcct ggccccggac ngctgtgca 120
 atctnccgcc ataccaattn cgatccnca accncgatna cactcctcct tact 174

<210> 282
 <211> 169
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 73, 108, 113, 115, 146, 161
 <223> n = A,T,C or G

<400> 282
 atcgagctt gtacgatcgt catataacgc gcatgtgcgg atcgcttcag cgccgcccga 60
 ctgtcagaag gangagatct tttttatcac ttgtttgttt gactatanat aanancgact 120
 acagcattga tgtgtgtcct caaganttgt ctgggtctga naaagctga 169

<210> 283
 <211> 157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 5, 36, 50, 67, 80, 87, 130, 133, 139, 145
 <223> n = A,T,C or G

<400> 283
 ggnntntctaa gatcgagctt gtacgatcgt catatnacgc gcatgtgcgn atcgcttcac 60
 gtcgcgnggc tgtccaggan atgcatntca acataatgtg cactctatat gggtattgat 120
 taatacgagn tangagcana tatcngatac aacacaa 157

<210> 284
 <211> 133
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 11, 21, 36, 37, 92, 102, 122
 <223> n = A,T,C or G

<400> 284

ggngtggtgt nagatacgca ngctgggacg aatcgnttca tagtacggcg catgtgttga 60
tcaattctga aaatccatcc cggcgcgctc ancatgcact anagggcaat cgcctatatg 120
antcgtatta caa 133

<210> 285

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 3, 6, 26, 31, 35, 38, 55, 57, 62, 68, 77, 79, 104, 107,
119, 120, 124, 129, 130, 136, 146, 149, 156, 161, 165, 172,
179, 191

<223> n = A,T,C or G

<400> 285

ntntgngtga tgatacccaa gctggntacc nactngantc caattaccgg ctcantntgc 60
tngaaacngc ttcatngnc tcctggcatg tacttgaaac aggntanata tctaatagnn 120
tacngtgtnn ttttcatca tacagnttnt atattncact nctnccatt cntttctant 180
ctctctctcc ntat 194

<210> 286

<211> 134

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6, 7, 29, 41, 66, 73, 86, 93, 108, 128

<223> n = A,T,C or G

<400> 286

gagggnntat gataccaagc tggtacganc ccgtcactat nacggcccag tgtgtggatc 60
cgctanctgg tcncgcgatg tctacncaca cnggaactgc ctctcgnaa gatctcctct 120
cctctccnaa gaga 134

<210> 287

<211> 119

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2, 26, 78, 83, 101

<223> n = A,T,C or G

<400> 287

tngggtatat ccagttgtac actggncata tacgcgcatt atgatcgttt cacgcccgga 60
gtacggcatc attacganat ggnctcattc gtttaccttt ntcgctggac acaagcgtc 119

<210> 288

<211> 170
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 4, 13, 39, 44, 107, 122, 158, 162
 <223> n = A,T,C or G

<400> 288
 gggntgagat acncaagttg gtacgagtcg gatcatatna cggncgccat tttctggaat 60
 ccgcttacgt ggtcccggcg aagtactttt tcatgccttg caaaatngcg ttactgcact 120
 ancttgctta acctatgagt ggggtctttc ataccccntc tntcatggaa 170

<210> 289
 <211> 126
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 19, 24, 46, 74, 84, 86, 109, 121
 <223> n = A,T,C or G

<400> 289
 ggccaattgg ggcctctana tgcntgctcg aacggggcgcc aatttnatgg atatctccaa 60
 aattcggtt acctgggtcg cggncnaagt acttaactca atccatctnt cactcaggat 120
 naatgc 126

<210> 290
 <211> 126
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 19, 24, 46, 74, 84, 86, 109, 121
 <223> n = A,T,C or G

<400> 290
 ggccaattgg ggcctctana tgcntgctcg aacggggcgcc aatttnatgg atatctccaa 60
 aattcggtt acctgggtcg cggncnaagt acttaactca atccatctnt cactcaggat 120
 naatgc 126

<210> 291
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 291
 cacatgtgca tccaggggag tcagttc

<210> 292
 <211> 34
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 292
 cgttagaatt catcaattcc tccgaagctc aaac 34

<210> 293
 <211> 702
 <212> DNA
 <213> Homo sapiens

<400> 293
 atgcagcatc accaccatca ccaccacatg tgcattccagg ggagtcagtt caacgtcgag 60
 gtcggcagaa gtgacaagct ttccctgcct ggctttgaga acctcacagc aggatataac 120
 aaattttctca ggcccaattt tgggtggagaa cccgtacaga tagcgctgac tctggacatt 180
 gcaagtatct ctagcatttc agagagtaac atggactaca cagccaccat atacctccga 240
 cagecgctgga tggaccagcg gctgggtgtt gaaggcaaca agagcttcac tctggatgcc 300
 cgctctgtgg agttcctctg ggtgccagat acttacattg tggagtccaa gaagtccttc 360
 ctccatgaag tcaactgtgg aaacaggctc atccgcctct tctccaatgg cacggctctg 420
 tatgccctca gaatcacgac aactgttgca tgtaacatgg atctgtctaa ataccccatg 480
 gacacacaga catgcaagtt gcagctggaa agctggggct atgatggaaa tgatgtggag 540
 ttcacctggc tgagagggaa cgactctgtg cgtggactgg aacacctgag gcttgctcag 600
 tacaccatag agcgggtatt caccttagtc accagatcgc agcaggagac aggaaattac 660
 actagattgg tcttacagtt tgagcttcgg aggaattgat ga 702

<210> 294
 <211> 232
 <212> PRT
 <213> Homo sapiens

<400> 294
 Met Gln His His His His His His Met Cys Ile Gln Gly Ser Gln
 1 5 10 15
 Phe Asn Val Glu Val Gly Arg Ser Asp Lys Leu Ser Leu Pro Gly Phe
 20 25 30
 Glu Asn Leu Thr Ala Gly Tyr Asn Lys Phe Leu Arg Pro Asn Phe Gly
 35 40 45
 Gly Glu Pro Val Gln Ile Ala Leu Thr Leu Asp Ile Ala Ser Ile Ser
 50 55 60
 Ser Ile Ser Glu Ser Asn Met Asp Tyr Thr Ala Thr Ile Tyr Leu Arg
 65 70 75 80
 Gln Arg Trp Met Asp Gln Arg Leu Val Phe Glu Gly Asn Lys Ser Phe
 85 90 95
 Thr Leu Asp Ala Arg Leu Val Glu Phe Leu Trp Val Pro Asp Thr Tyr
 100 105 110
 Ile Val Glu Ser Lys Lys Ser Phe Leu His Glu Val Thr Val Gly Asn
 115 120 125
 Arg Leu Ile Arg Leu Phe Ser Asn Gly Thr Val Leu Tyr Ala Leu Arg

130		135		140
Ile Thr Thr Thr Val	Ala Cys Asn Met Asp Leu Ser Lys Tyr Pro Met			
145	150	155	160	
Asp Thr Gln Thr Cys	Lys Leu Gln Leu Glu Ser Trp Gly Tyr Asp Gly			
	165	170	175	
Asn Asp Val Glu Phe Thr	Trp Leu Arg Gly Asn Asp Ser Val Arg Gly			
	180	185	190	
Leu Glu His Leu Arg Leu	Ala Gln Tyr Thr Ile Glu Arg Tyr Phe Thr			
	195	200	205	
Leu Val Thr Arg Ser Gln	Gln Glu Thr Gly Asn Tyr Thr Arg Leu Val			
	210	215	220	
Leu Gln Phe Glu Leu Arg	Arg Asn			
225	230			

<210> 295
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 295

Met Val Cys Gly Gly Phe Ala Cys Ser Lys Asn Cys Leu Cys Ala Leu	
1 5 10 15	
Asn Leu Leu Tyr Thr Leu Val Ser Leu Leu Leu Ile Gly Ile Ala Ala	
20 25 30	
Trp Gly Ile Gly Phe Gly Leu Ile Ser Ser Leu Arg Val Val Gly Val	
35 40 45	
Val Ile Ala Val Gly Ile Phe Leu Phe Leu Ile Ala Leu Val Gly Leu	
50 55 60	
Ile Gly Ala Val Lys His His Gln Val Leu Leu Phe Phe Tyr Met Ile	
65 70 75 80	
Ile Leu Leu Leu Val Phe Ile Val Gln Phe Ser Val Ser Cys Ala Cys	
85 90 95	
Leu Ala Leu Asn Gln Glu Gln Gln Gly Gln Leu Leu Glu Val Gly Trp	
100 105 110	
Asn Asn Thr Ala Ser Ala Arg Asn Asp Ile Gln Arg Asn Leu Asn Cys	
115 120 125	
Cys Gly Phe Arg Ser Val Asn Pro Asn Asp Thr Cys Leu Ala Ser Cys	
130 135 140	
Val Lys Ser Asp His Ser Cys Ser Pro Cys Ala Pro Ile Ile Gly Glu	
145 150 155 160	
Tyr Ala Gly Glu Val Leu Arg Phe Val Gly Gly Ile Gly Leu Phe Phe	
165 170 175	
Ser Phe Thr Glu Ile Leu Gly Val Trp Leu Thr Tyr Arg Tyr Arg Asn	
180 185 190	
Gln Lys Asp Pro Arg Ala Asn Pro Ser Ala Phe Leu	
195 200	

<210> 296
 <211> 615
 <212> DNA
 <213> Homo sapiens

<400> 296

```

atgggtttgcg ggggcttcgc gtgttccaag aactgcctgt gcgcccctcaa cctgcttttac 60
accttggtta gtctgtctgt aattggaatt gctgcgtggg gcattggctt cgggctgatt 120
tccagtctcc gagtggtcgg cgtggtcatt gcagtgggca tcttcttggt cctgattgct 180
ttagtgggtc tgattggagc tgtaaaacat catcaggtgt tgctatTTTT ttatatgatt 240
attctgttac ttgtatttat tgttcagttt tctgtatctt gcgcttggtt agccctgaac 300
caggagcaac agggtcagct tctggaggtt gggttgaaca atacggcaag tgctcgaaat 360
gacatccaga gaaatctaaa ctgctgtggg ttccgaagtg ttaacccaaa tgacacctgt 420
ctggctagct gtgttaaaag tgaccaactcg tgctcgccat gtgctccaat cataggagaa 480
tatgctggag aggttttgag atttgttggt ggcatggcc tgttcttcag ttttacagag 540
atcctgggtg tttggctgac ctacagatac aggaaccaga aagacccccg cggaatcct 600
agtgcattcc tttga

```

<210> 297

<211> 1831

<212> DNA

<213> Homo sapiens

<400> 297

```

gccgcgccgc ccgcacgtgg cagccccagg ccccgcccc ccacccacgt ctgcgttgct 60
gccccgcctg ggccaggccc aaaggcaagg acaaagcagc tgtcaggga cctccgcgg 120
agtcgaatTT acgtgcagct gccggcaacc acaggttcca agatgggttg cgggggcttc 180
gcgtgttcca agaactgcct gtgcgccctc aacctgcttt acaccttgg tagtctgctg 240
ctaattggaa ttgctgcgtg gggcattggc ttcgggctga tttccagtct ccgagtggtc 300
ggcgtggta ttgcagtggg catcttcttg ttcctgattg ctttagtggg tctgattgga 360
gctgtaaaac atcatcaggt gttgctatTT ttttatatga ttattctgtt acttgtatTT 420
attgttcagt tttctgtatc ttgcgcttgt ttagccctga accaggagca acagggtcag 480
cttctggagg ttggttggaa caatacggca agtgctcgaa atgacatcca gagaaatcta 540
aactgctgtg ggttccgaag tgttaaccca aatgacacct gtctggctag ctgtgttaaa 600
agtgaccact cgtgctcgcc atgtgctcca atcataggag aatatgctgg agaggttttg 660
agatttgggt gtggcattgg cctgttcttc agttttacag agatcctggg tgtttggctg 720
acctacagat acaggaacca gaaagacccc cgcgcgaatc ctagtgcatt cctttgatga 780
gaaaacaagg aagatttctt ttcgtattat gatcttgttc actttctgta attttctgtt 840
aagctccatt tgccagttta aggaaggaaa cactatctgg aaaagtaact tattgatagt 900
ggaattatat atttttactc tatgtttctc tacatgtttt tttctttccg ttgctgaaaa 960
atatTTgaaa cttgtggtct ctgaagctcg gtggcacctg gaatttactg tattcattgt 1020
cgggcactgt ccaactgtggc ctttcttagc atttttacct gcagaaaaac tttgtatgg 1080
accactgtgt tggttatatg gtgaatctga acgtacatct cactggtata attatatgta 1140
gcactgtgct gtgtagatag ttctactgg aaaaagagtg gaaatttatt aaaatcagaa 1200
agtatgagat cctgttatgt taagggaat ccaaattccc aatttttttt ggtcttttta 1260
ggaaagatgt gttgtggtaa aaagtgttag tataaaaatg gataatttac ttgtgtcttt 1320
tatgattaca ccaatgtatt ctagaaatag ttatgtctta ggaaattgtg gtttaatttt 1380
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<210> 298

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 298

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25

<210> 299

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 299

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33

<210> 300

<211> 258

<212> DNA

<213> Homo sapiens

<400> 300

atgcagcatc accaccatca ccaccactgc gcttggttag ccctgaacca ggagcaacag 60
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 aatctaaact gctgtggggt ccgaagtgtt aaccctgtct acacctgtct ggctagctgt 180
 gttaaaagtg accactcgtg ctgcgcctgt gctccaatca taggagaata tgctggagag 240
 gttttgagat ttgatga 258

<210> 301

<211> 84

<212> PRT

<213> Homo sapiens

<400> 301

Met	Gln	His	His	His	His	His	His	His	Cys	Ala	Cys	Leu	Ala	Leu	Asn
1			5						10					15	
Gln	Glu	Gln	Gln	Gly	Gln	Leu	Leu	Glu	Val	Gly	Trp	Asn	Asn	Thr	Ala
		20					25						30		
Ser	Ala	Arg	Asn	Asp	Ile	Gln	Arg	Asn	Leu	Asn	Cys	Cys	Gly	Phe	Arg
		35					40					45			
Ser	Val	Asn	Pro	Asn	Asp	Thr	Cys	Leu	Ala	Ser	Cys	Val	Lys	Ser	Asp
		50				55					60				
His	Ser	Cys	Ser	Pro	Cys	Ala	Pro	Ile	Ile	Gly	Glu	Tyr	Ala	Gly	Glu
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Val	Leu	Arg	Phe												

<210> 302

<211> 1598

<212> DNA

<213> Homo sapiens

<400> 302

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gccccagaac aaatgggagg aacacattgc ccaaaactca cgtctggagc tctttcaaca 240
tgtctccctg atgacctg acagcatcat gaagtgtgcc ttcagccacc agggcagcat 300
ccagttggac agtacctg actcatacct gaaagcagtg ttcaacctta gcaaaatctc 360
caaccagcgc atgaacaatt ttctacatca caacgacctg gttttcaaat tcagctctca 420
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agatctccag gctgaagtga aaacgttcat gtttgcagga catgacacca catccagtgc 660
tatctcctgg atcctttact gcttggcaaa gtacctgag catcagcaga gatgccgaga 720
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<210> 303

<211> 963

<212> DNA

<213> Homo sapiens

<400> 303

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<210> 304
 <211> 2015
 <212> DNA
 <213> Homo sapiens

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<210> 305
 <211> 1518
 <212> DNA
 <213> Homo sapiens

<400> 305
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<210> 306

<211> 320

<212> PRT

<213> Homo sapiens

<400> 306

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Met Thr Leu Asp Ser Ile Met Lys Cys Ala Phe Ser His Gln Gly Ser
          5                      10                      15

```

```

Ile Gln Leu Asp Ser Thr Leu Asp Ser Tyr Leu Lys Ala Val Phe Asn
          20                      25                      30

```

```

Leu Ser Lys Ile Ser Asn Gln Arg Met Asn Asn Phe Leu His His Asn
          35                      40                      45

```

```

Asp Leu Val Phe Lys Phe Ser Ser Gln Gly Gln Ile Phe Ser Lys Phe
          50                      55                      60

```

```

Asn Gln Glu Leu His Gln Phe Thr Glu Lys Val Ile Gln Asp Arg Lys
          65                      70                      75                      80

```

```

Glu Ser Leu Lys Asp Lys Leu Lys Gln Asp Thr Thr Gln Lys Arg Arg
          85                      90                      95

```

```

Trp Asp Phe Leu Asp Ile Leu Leu Ser Ala Lys Ser Glu Asn Thr Lys
          100                     105                     110

```

```

Asp Phe Ser Glu Ala Asp Leu Gln Ala Glu Val Lys Thr Phe Met Phe
          115                     120                     125

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Ala Gly His Asp Thr Thr Ser Ser Ala Ile Ser Trp Ile Leu Tyr Cys
          130                     135                     140

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Leu Ala Lys Tyr Pro Glu His Gln Gln Arg Cys Arg Asp Glu Ile Arg
145 150 155 160

Glu Leu Leu Gly Asp Gly Ser Ser Ile Thr Trp Glu His Leu Ser Gln
165 170 175

Met Pro Tyr Thr Thr Met Cys Ile Lys Glu Cys Leu Arg Leu Tyr Ala
180 185 190

Pro Val Val Asn Ile Ser Arg Leu Leu Asp Lys Pro Ile Thr Phe Pro
195 200 205

Asp Gly Arg Ser Leu Pro Ala Gly Ile Thr Val Phe Ile Asn Ile Trp
210 215 220

Ala Leu His His Asn Pro Tyr Phe Trp Glu Asp Pro Gln Val Phe Asn
225 230 235 240

Pro Leu Arg Phe Ser Arg Glu Asn Ser Glu Lys Ile His Pro Tyr Ala
245 250 255

Phe Ile Pro Phe Ser Ala Gly Leu Arg Asn Cys Ile Gly Gln His Phe
260 265 270

Ala Ile Ile Glu Cys Lys Val Ala Val Ala Leu Thr Leu Leu Arg Phe
275 280 285

Lys Leu Ala Pro Asp His Ser Arg Pro Pro Gln Pro Val Arg Gln Val
290 295 300

Val Leu Lys Ser Lys Asn Gly Ile His Val Phe Ala Lys Lys Val Cys
305 310 315 320

<210> 307

<211> 505

<212> PRT

<213> Homo sapiens

<400> 307

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Leu Ile Leu Leu Cys Met Ser Leu Leu Leu Phe Gln Val Ile Arg Leu
20 25 30

Tyr Gln Arg Arg Arg Trp Met Ile Arg Ala Leu His Leu Phe Pro Ala
35 40 45

Pro Pro Ala His Trp Phe Tyr Gly His Lys Glu Phe Tyr Pro Val Lys
50 55 60

Glu Phe Glu Val Tyr His Lys Leu Met Glu Lys Tyr Pro Cys Ala Val
65 70 75 80

Pro Leu Trp Val Gly Pro Phe Thr Met Phe Phe Ser Val His Asp Pro
 85 90 95

Asp Tyr Ala Lys Ile Leu Leu Lys Arg Gln Asp Pro Lys Ser Ala Val
 100 105 110

Ser His Lys Ile Leu Glu Ser Trp Val Gly Arg Gly Leu Val Thr Leu
 115 120 125

Asp Gly Ser Lys Trp Lys Lys His Arg Gln Ile Val Lys Pro Gly Phe
 130 135 140

Asn Ile Ser Ile Leu Lys Ile Phe Ile Thr Met Met Ser Glu Ser Val
 145 150 155 160

Arg Met Met Leu Asn Lys Trp Glu Glu Arg Ile Ala Gln Asn Ser Arg
 165 170 175

Leu Glu Leu Phe Gln His Val Ser Leu Met Thr Leu Asp Ser Ile Met
 180 185 190

Lys Cys Ala Phe Ser His Gln Gly Ser Ile Gln Leu Asp Ser Thr Leu
 195 200 205

Asp Ser Tyr Leu Lys Ala Val Phe Asn Leu Ser Lys Ile Ser Asn Gln
 210 215 220

Arg Met Asn Asn Phe Leu His His Asn Asp Leu Val Phe Lys Phe Ser
 225 230 235 240

Ser Gln Gly Gln Ile Phe Ser Lys Phe Asn Gln Glu Leu His Gln Phe
 245 250 255

Thr Glu Lys Val Ile Gln Asp Arg Lys Glu Ser Leu Lys Asp Lys Leu
 260 265 270

Lys Gln Asp Thr Thr Gln Lys Arg Arg Trp Asp Phe Leu Asp Ile Leu
 275 280 285

Leu Ser Ala Lys Ser Glu Asn Thr Lys Asp Phe Ser Glu Ala Asp Leu
 290 295 300

Gln Ala Glu Val Lys Thr Phe Met Phe Ala Gly His Asp Thr Thr Ser
 305 310 315 320

Ser Ala Ile Ser Trp Ile Leu Tyr Cys Leu Ala Lys Tyr Pro Glu His
 325 330 335

Gln Gln Arg Cys Arg Asp Glu Ile Arg Glu Leu Leu Gly Asp Gly Ser
 340 345 350

Ser Ile Thr Trp Glu His Leu Ser Gln Met Pro Tyr Thr Thr Met Cys
 355 360 365

Ile Lys Glu Cys Leu Arg Leu Tyr Ala Pro Val Val Asn Ile Ser Arg
 370 375 380

Leu Leu Asp Lys Pro Ile Thr Phe Pro Asp Gly Arg Ser Leu Pro Ala
 385 390 395 400

Gly Ile Thr Val Phe Ile Asn Ile Trp Ala Leu His His Asn Pro Tyr
 405 410 415

Phe Trp Glu Asp Pro Gln Val Phe Asn Pro Leu Arg Phe Ser Arg Glu
 420 425 430

Asn Ser Glu Lys Ile His Pro Tyr Ala Phe Ile Pro Phe Ser Ala Gly
 435 440 445

Leu Arg Asn Cys Ile Gly Gln His Phe Ala Ile Ile Glu Cys Lys Val
 450 455 460

Ala Val Ala Leu Thr Leu Leu Arg Phe Lys Leu Ala Pro Asp His Ser
 465 470 475 480

Arg Pro Pro Gln Pro Val Arg Gln Val Val Leu Lys Ser Lys Asn Gly
 485 490 495

Ile His Val Phe Ala Lys Lys Val Cys
 500 505